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FIG. 1A

```

1  agggagagggc agtgaccatg aaggctgtgc tgcttgccct gttgatggca
51  ggcttggccc tgcagccagg cactgccctg ctgtgctact cctgcaaagc
101 ccaggtagagc aacgaggact gcctgcaggt ggagaactgc acccagctgg
151 gggagcagtg ctggaccgcg cgcacccgcg cagttggcct cctgaccgtc
201 atcagcaaag gctgcagctt gaactgcgtg gatgactcac aggactacta
251 cgtgggcaag aagaacatca cgtgctgtga caccgacttg tgcaacgcca
301 gcggggcccc tgcctgcag ccggctgccc ccacccctgc gctgctccct
351 gcactcggcc tgctgctctg gggacccggc cagctataag ctctgggggg
401 ccccgctgca gccacactg ggtgtggtgc ccaggcctt tgtgccactc
451 ctcacagaac ctggcccagt gggagcctgt cctggttcct gaggcacatc
501 ctaacgcaag tttgaccatg tatgtttgca ccccttttcc cnaaccctg
551 accttcccat gggccttttc caggattccn accnggcaga tcagtitttag
601 tganacanat ccgcntgcag atggcccctc caaccntttt tggtgntggt
651 tccatggccc agcatttttc acccttaacc ctgtgttcag gcacttnttc
701 ccccaggaag ccttccctgc ccaccccat tatgaattga gccaggtttg
751 gtccgtggtg tccccgcac ccagcagggg acaggcaatc aggagggccc
801 agtaaggct gagatgaagt ggactgagta gaactggagg acaagagttg
851 acgtgagttc ctgggagttt ccagagatgg ggcctggagg cctggaggaa
901 ggggccaggc ctcacatttg tgggntccc gaatggcagc ctgagcacag
951 cgtaggccct taataaacac ctgttgata agccaaaaaa aaaaaaaa

```

FIG. 1B

```

MKAVLLALLMAGLALQPGTALLCYSCKAQVSNEDCLQV
ENCTQLGEQCWTARIRAVGLLTVISKGCSLNCVDDS
QDYVVGKKNITCCDIDLNASGAHALQPAAAILALLPAL
GLLLWGPGQL

```

FIG. 2

1 ATGAAGACAGTTTTTTTTATCCTGCTGGCCACCTACTTAGCCCTGCATCCAGGTGCTGCT.
 -----+-----+-----+-----+-----+-----+ 60
 TACTTCTGTCAAAAAAATAGGACGACCGGTGGATGAATCGGGACGTAGGTCCACGACGA
 M K T V F F I L L A T Y L A L H P G A A
 61 CTGCAGTGCTATTCATGCACAGCACAGATGAACAACAGAGACTGTCTGAATGTACAGAAC
 -----+-----+-----+-----+-----+-----+ 120
 GACGTCACGATAAGTACGTGTCGTGTCTACTTGTGTCTCTGACAGACTTACATGTCTTG
 L Q C Y S C T A Q M N N R D C L N V Q N
 121 TGCAGCCTGGACCAGCACAGTTGCTTTACATCGCGCATCCGGGCCATTGGACTCGTGACA
 -----+-----+-----+-----+-----+-----+ 180
 ACGTCGGACCTGGTCGTGTCAACGAAATGTAGCGCGTAGGCCCGGTAACCTGAGCACTGT
 C S L D Q H S C F T S R I R A I G L V T
 181 GTTATCAGTAAGGGCTGCAGCTCACAGTGTGAGGATGACTCGGAGAACTACTATTTGGGC
 -----+-----+-----+-----+-----+-----+ 240
 CAATAGTCATTCCCGACGTCGAGTGTCACTCCTACTGAGCCTCTTGATGATAAACCCG
 V I S K C S S Q C E D D S E N Y Y L G
 241 AAGAAGAACATCACGTGCTGCTACTCTGACCTGTGCAATGTCAACGGGGCCCCACACCCTG
 -----+-----+-----+-----+-----+-----+ 300
 TTCTTCTGTAGTGCACGACGATGAGACTGGACACGTTACAGTTGCCCGGGTGTGGGAC
 K K N I T C C Y S D L C N V N G A H T L
 301 AAGCCACCCACCACCCTGGGGCTGCTGACCGTGCTCTGCAGCCTGTTGCTGTGGGGCTCC
 -----+-----+-----+-----+-----+-----+ 360
 TTCGGTGGGTGGTGGGACCCGACGACTGGCACGAGACGTCGGACAACGACACCCCGAGG
 K P P T T L G L L T V L C S L L L W G S
 361 AGCCGTCTGTAGGCTCTGGGAGAGCCTACCATAGCCCGATTGTGAAGGGATGAGCTGCAC
 -----+-----+-----+-----+-----+-----+ 420
 TCGGCAGACATCCGAGACCCTCTCGGATGGTATCGGGCTAACACTTCCCTACTCGACGTG
 S R L *
 421 TCCACCCACCCACACAGG
 -----+-----+-----+-----+-----+ 441
 AGGTGGGGTGGGGTGTGTCC

FIG. 3

1 M K I F L P V L L A A L L G V E R A S S hSCA-2
1 M K A V L L A L L M A G L A L Q P G T A hPSCA
1 M K T V L F L L L A T Y L A L H P G A A mPSCA

21 L M C F S C L N Q K S N* L Y C L K P T I
21 L L C Y S C K A Q V S N* E D C L Q V E N*
21 L Q C Y S C T A Q M N N* R D C L N V Q N*

41 C S D Q D N Y C V T V S A S A G I G N L
41 C T Q L G E Q C W T A R I R A V G L L T
41 C S L D Q H S C F T S R I R A I G L V T

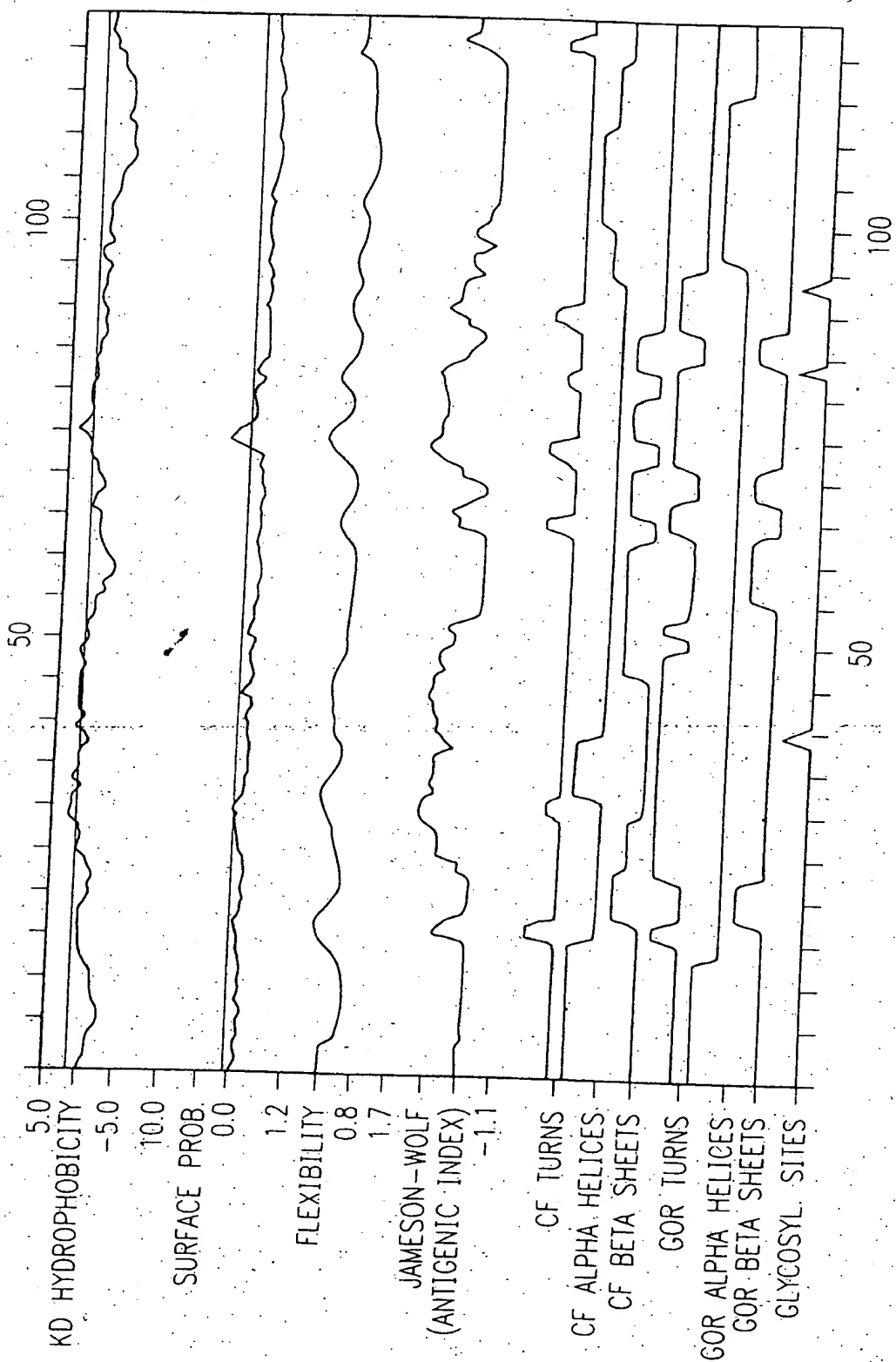
61 V T F G H S L S K T C S P A C P I P E G
61 V - - - - I S K G C S L N C V D D S Q
61 V - - - - I S K G C S S Q C E D D S E

81 V N V G V A S M G I S C C Q S F L C N* F
76 D Y Y V G K K - N* I T C C D T D L C N* A
76 N Y Y L G K K - N* I T C C Y S D L C N* V

101 S A A D G G L R A S V T L L G A G L L L
95 S G A H A L Q P A A A I L A L L P A L G
95 N G A H T L K P P T T L G L L T V L C S

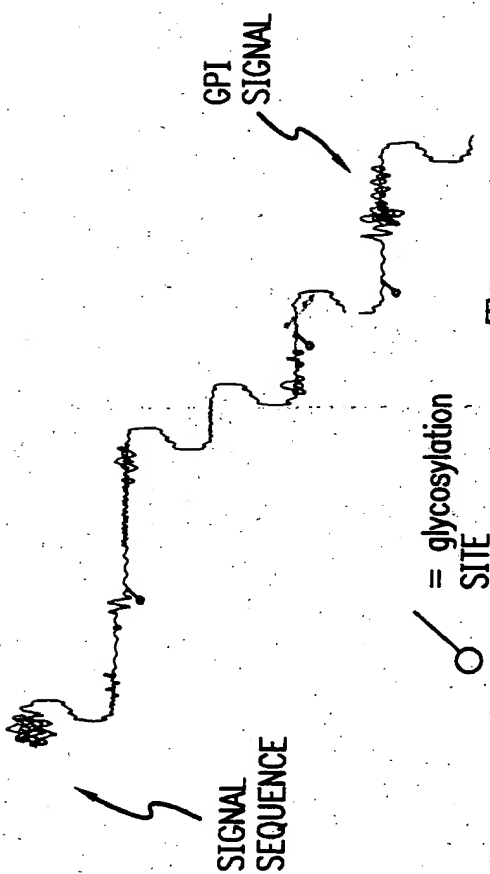
121 S L L P A L L R F G P
115 L L L W G P G Q L - -
115 L L L W G S S R L - -

FIG. 4



HYDROPHOBICITY PLOT OF PSCA

FIG. 5



LAPC9
S. INTESTINE
TESTIS
KIDNEY
KIDNEY
BLADDER CARCINOMA
BLADDER
BLADDER
PROSTATE
PROSTATE
PROSTATE

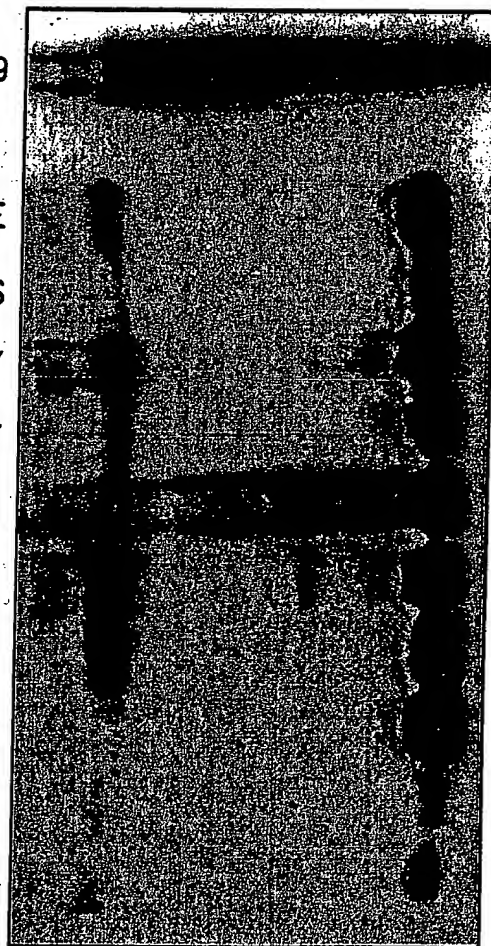


FIG. 6

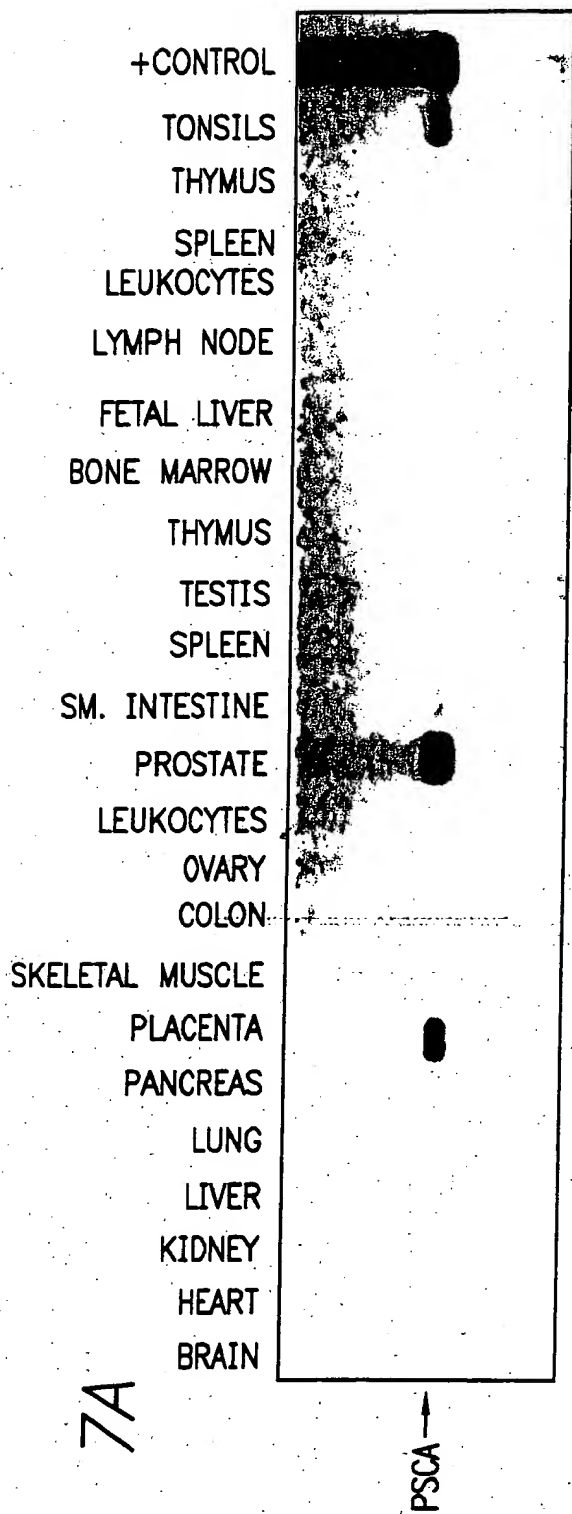


FIG. 7A

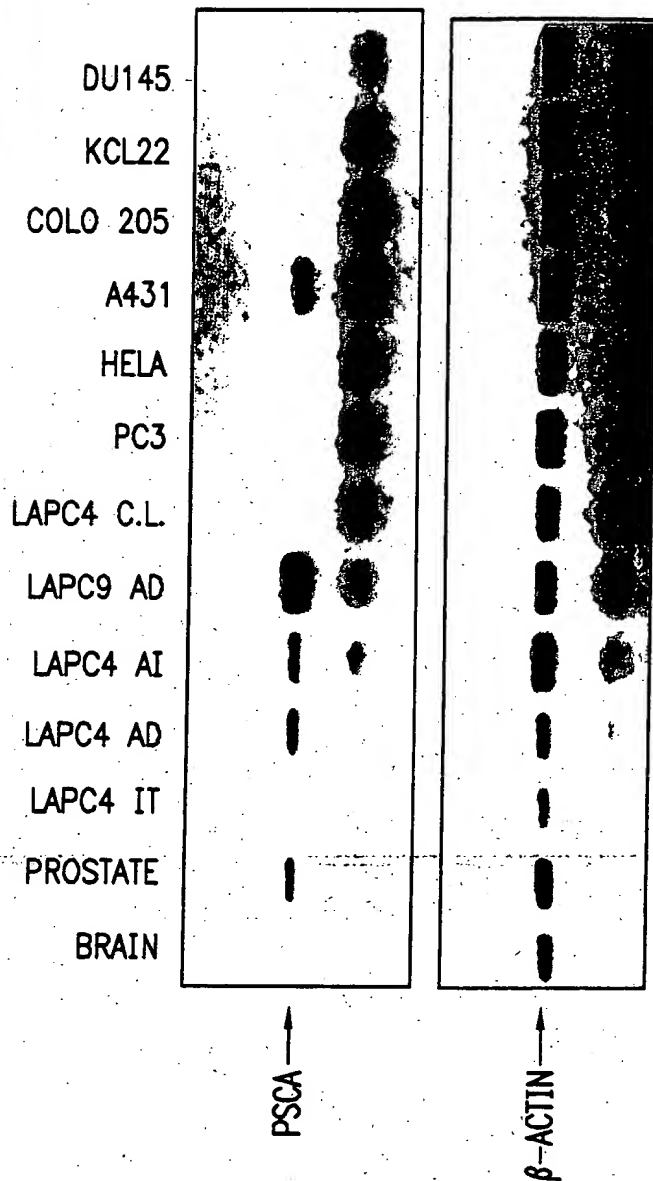


FIG. 7B

FIG. 8A

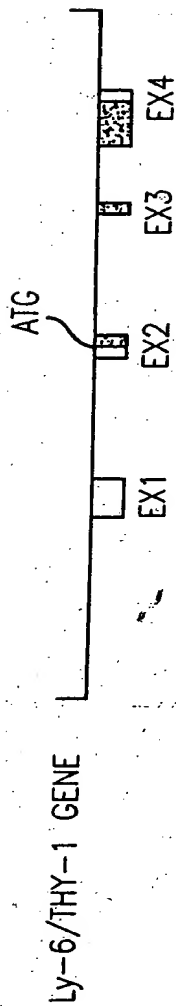


FIG. 8B

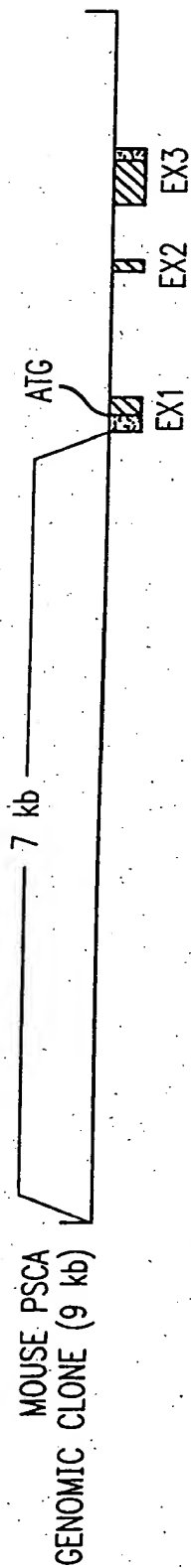
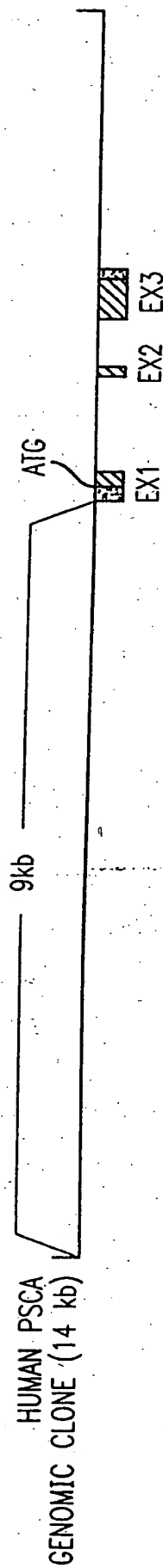


FIG. 8C



LAPC-4 AI

LAPC-4 AD

BENIGN

PSA



LAPC-4 AI

LAPC-4 AD

BENIGN

PSCA

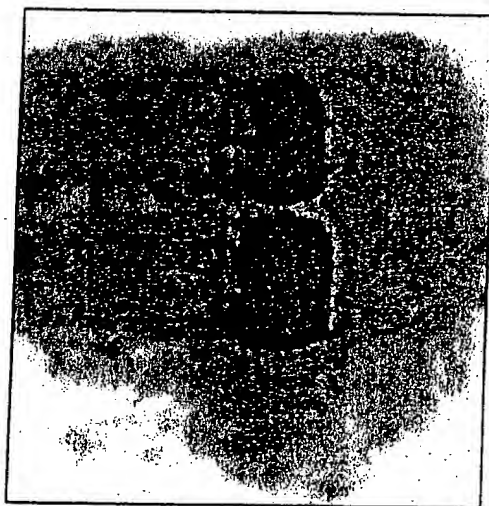


FIG. 9A

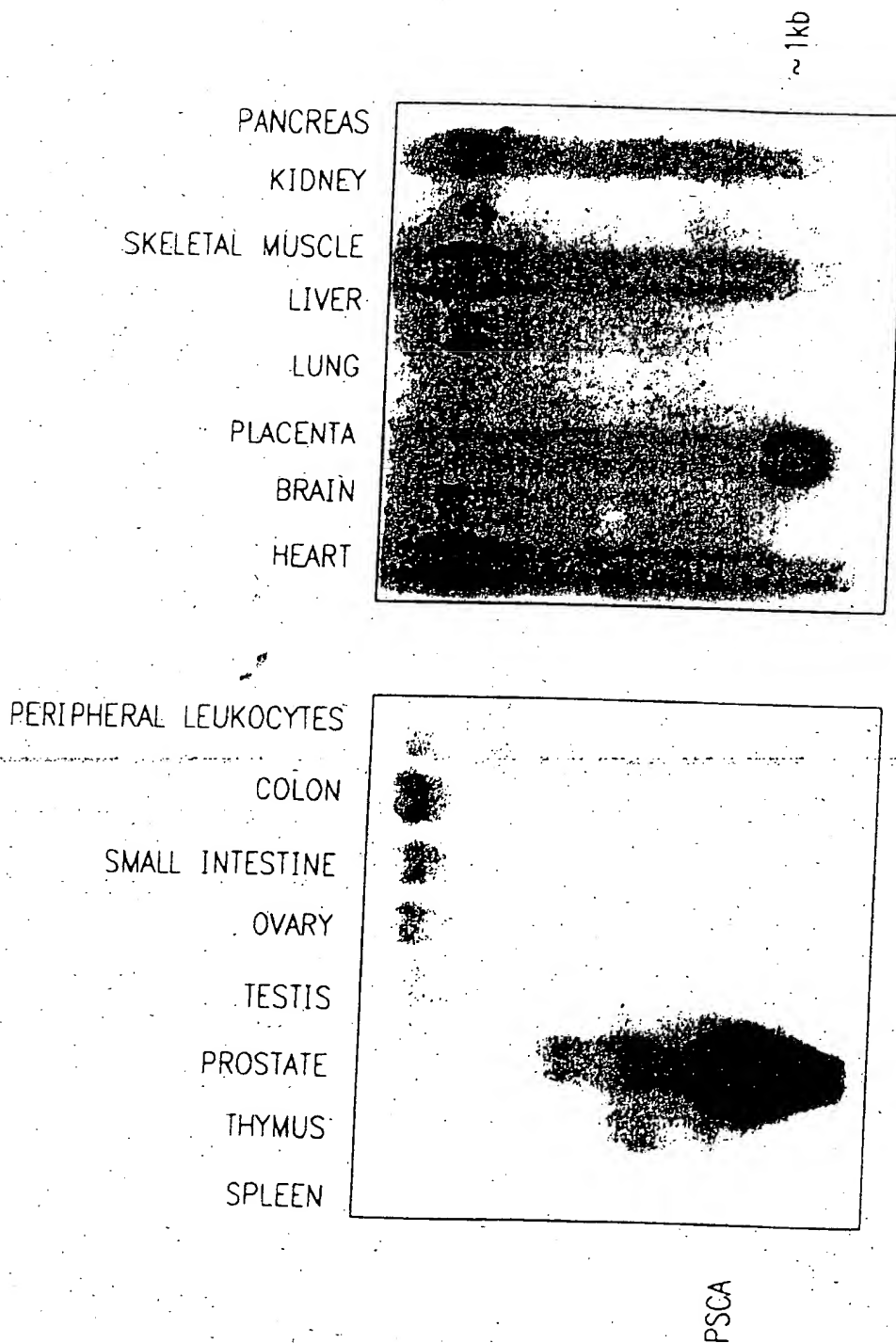
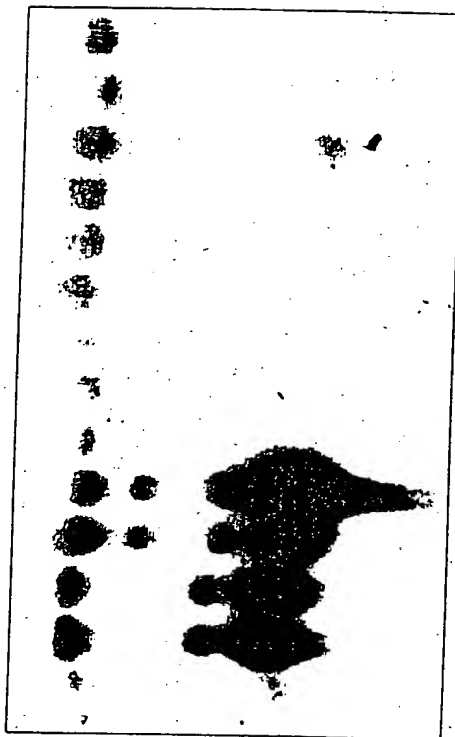


FIG. 9B

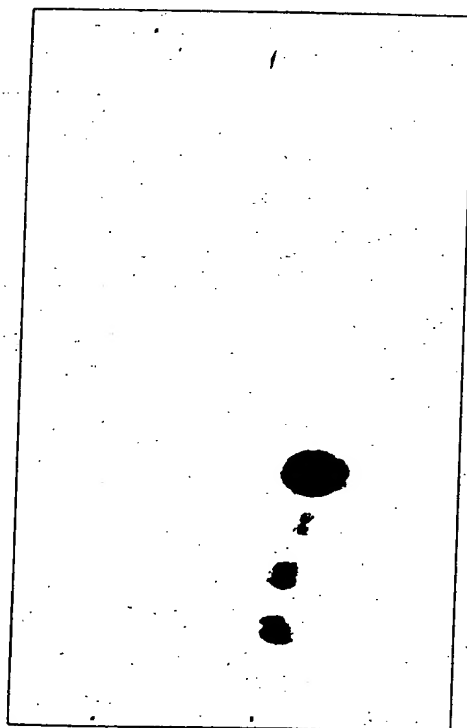
72 HRS

KCL22
 COLO 205
 A431
 HELA
 DU145
 PC3
 LNCAP
 LAPC4 C.L.
 LAPC3 AI
 LAPC9
 LAPC4 IT
 LAPC4 AI
 LAPC4 AD
 BPH



4 HRS

KCL22
 COLO 205
 A431
 HELA
 DU145
 PC3
 LNCAP
 LAPC4 C.L.
 LAPC3 AI
 LAPC9
 LAPC4 IT
 LAPC4 AI
 LAPC4 AD
 BPH

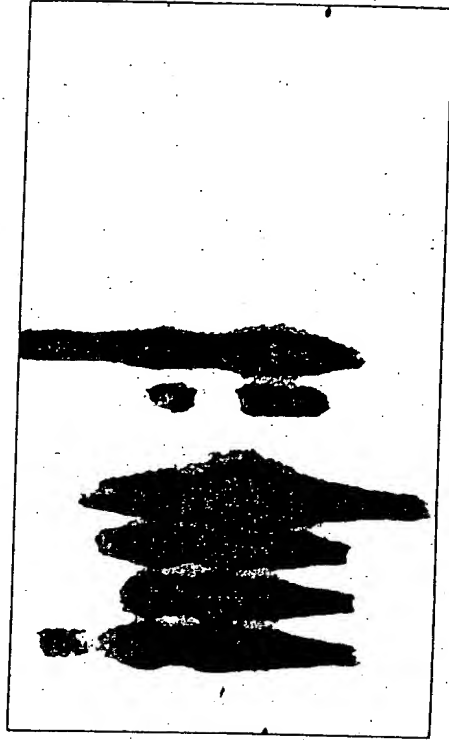


PSCA

FIG. 10A

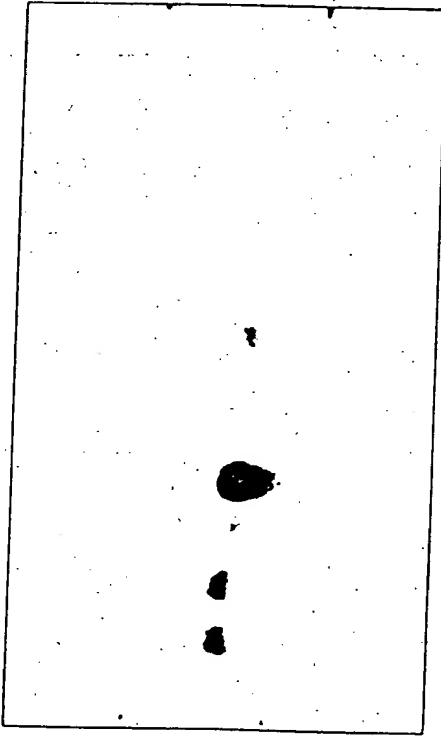
72 HRS

KCL22
COLO 205
A431
HELA
DU145
PC3
LNCAP
LAPC4 C.L.
LAPC3 AI
LAPC9
LAPC4 IT
LAPC4 AI
LAPC4 AD
BPH



4 HRS

KCL22
COLO 205
A431
HELA
DU145
PC3
LNCAP
LAPC4 C.L.
LAPC3 AI
LAPC9
LAPC4 IT
LAPC4 AI
LAPC4 AD
BPH

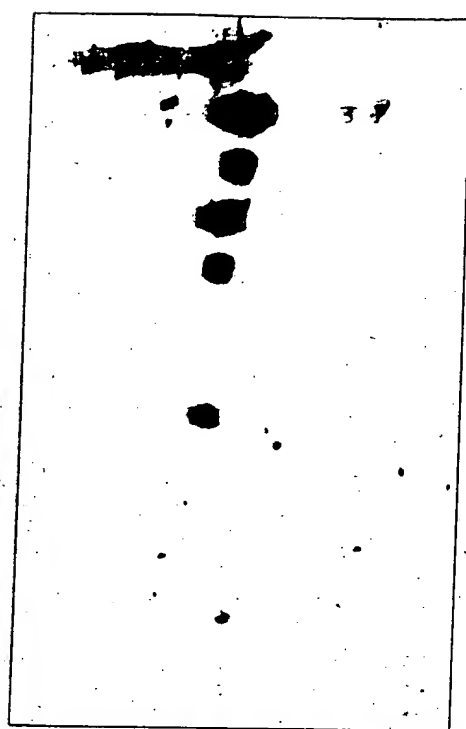


.PSM

FIG. 10B

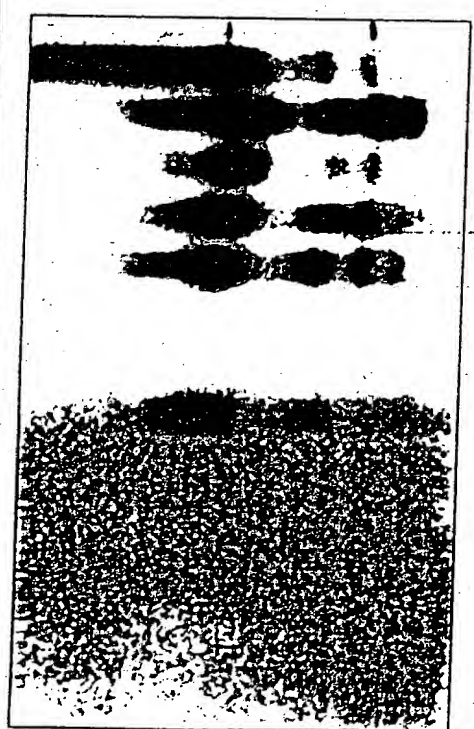
PSA

4 HRS



BPH
LAPC4 AD
LAPC4 AI
LAPC4 IT
LAPC9
LAPC3 AI
LAPC4 C.L.
LNCAP
PC3
DU145
HELA
A431
COLO 205
KCL22

72 HRS



BPH
LAPC4 AD
LAPC4 AI
LAPC4 IT
LAPC9
LAPC3 AI
LAPC4 C.L.
LNCAP
PC3
DU145
HELA
A431
COLO 205
KCL22

ETBR

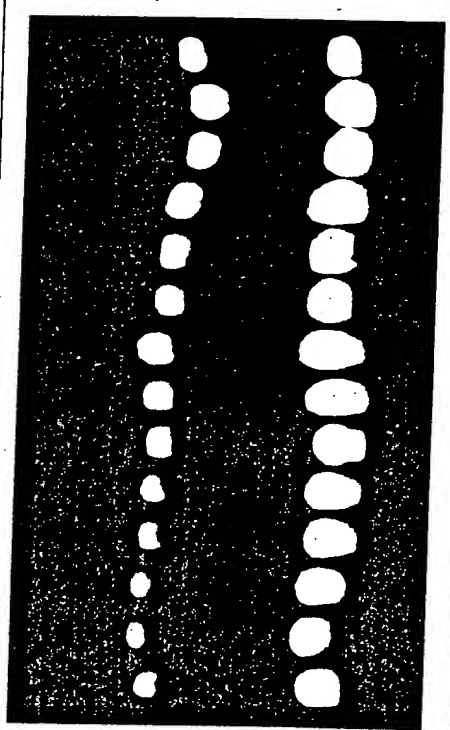


FIG. 10C

FIG. 11A



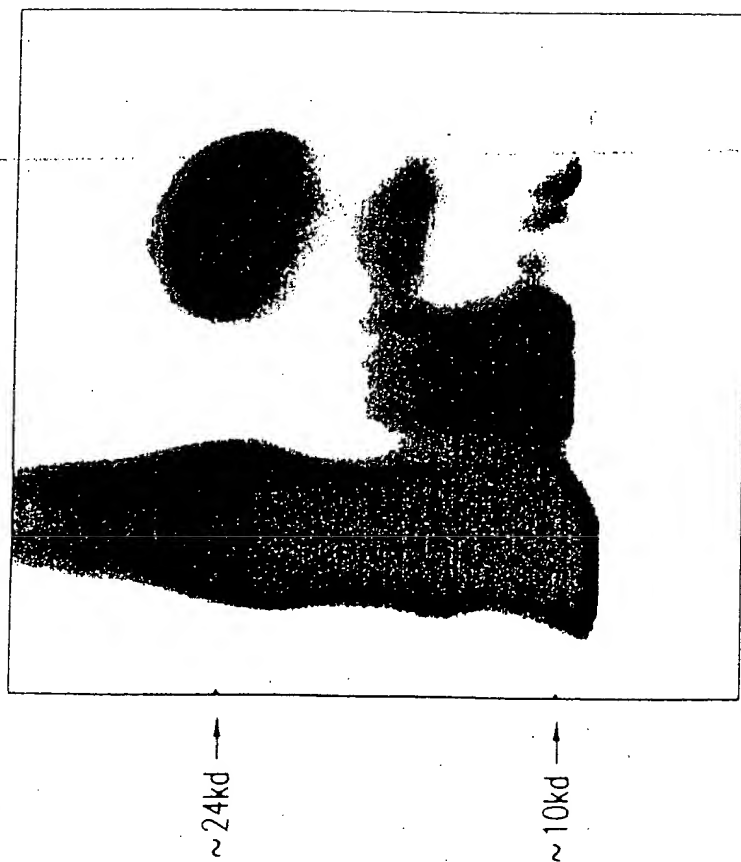
FIG. 11B



FIG. 11C

FIG. 12A

O GLYCOSIDASE
N GLYCOSIDASE F
CONTROL



SECRETED
CELL ASSOCIATED

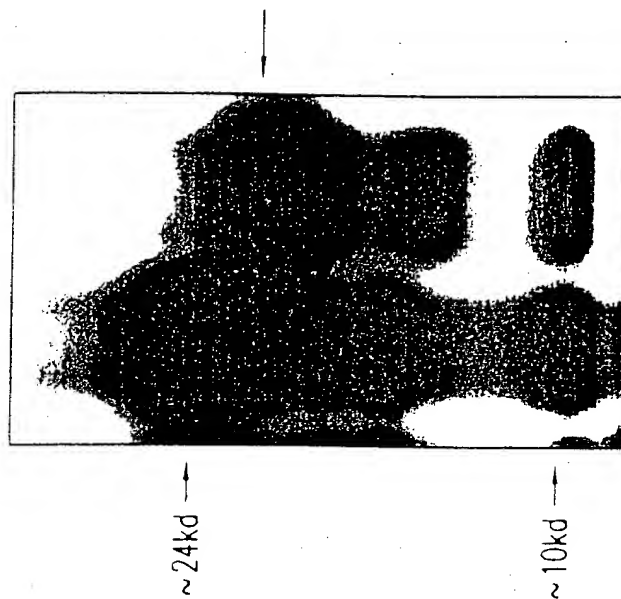


FIG. 12B

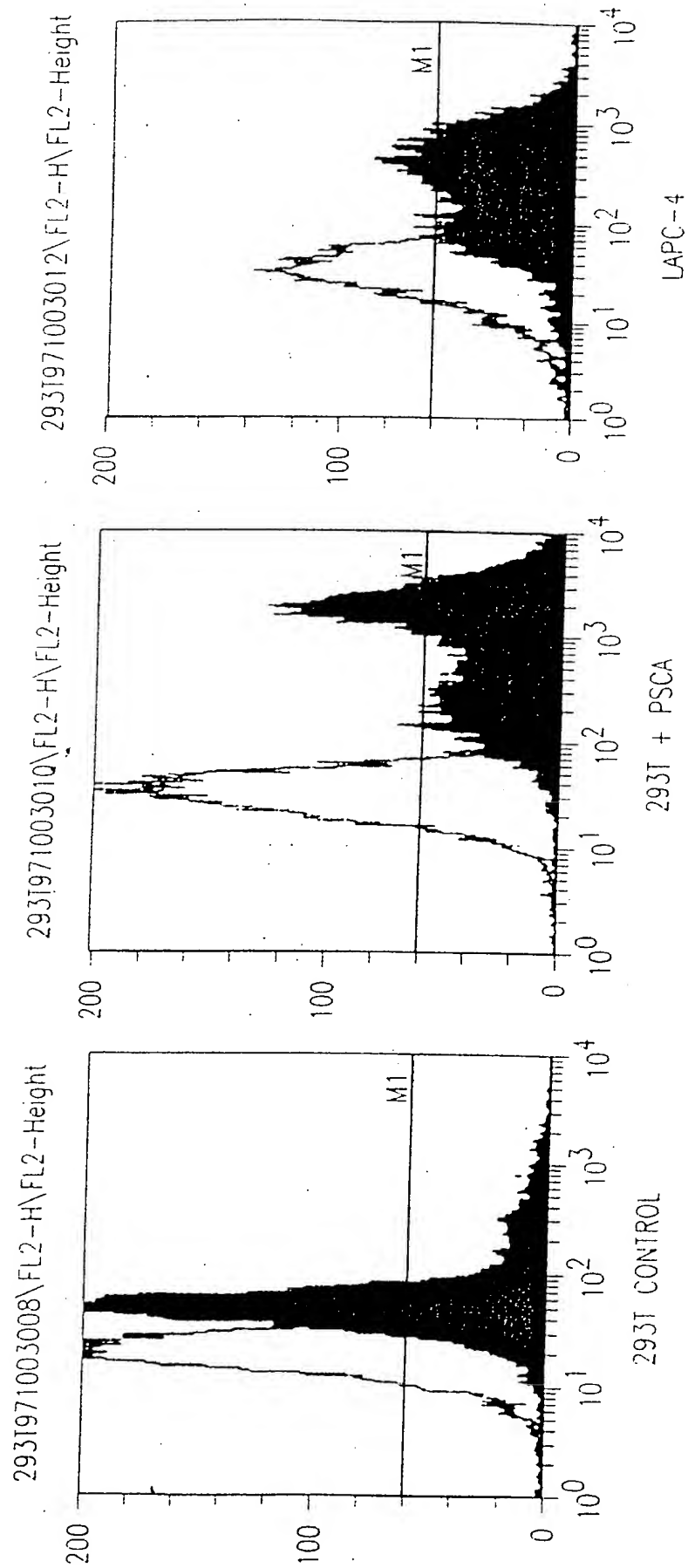


FIG. 12C

FIG. 13



FIG. 14A

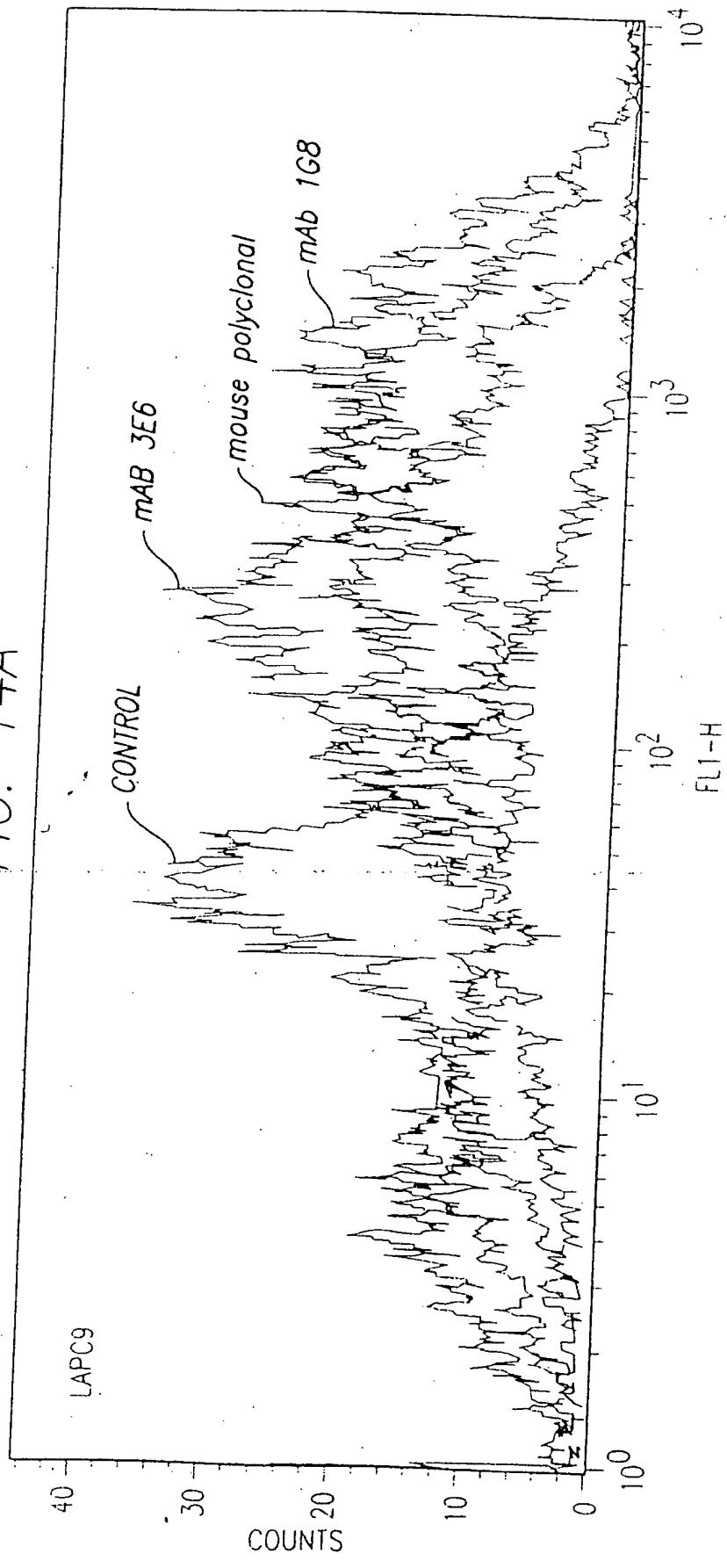


FIG. 14B

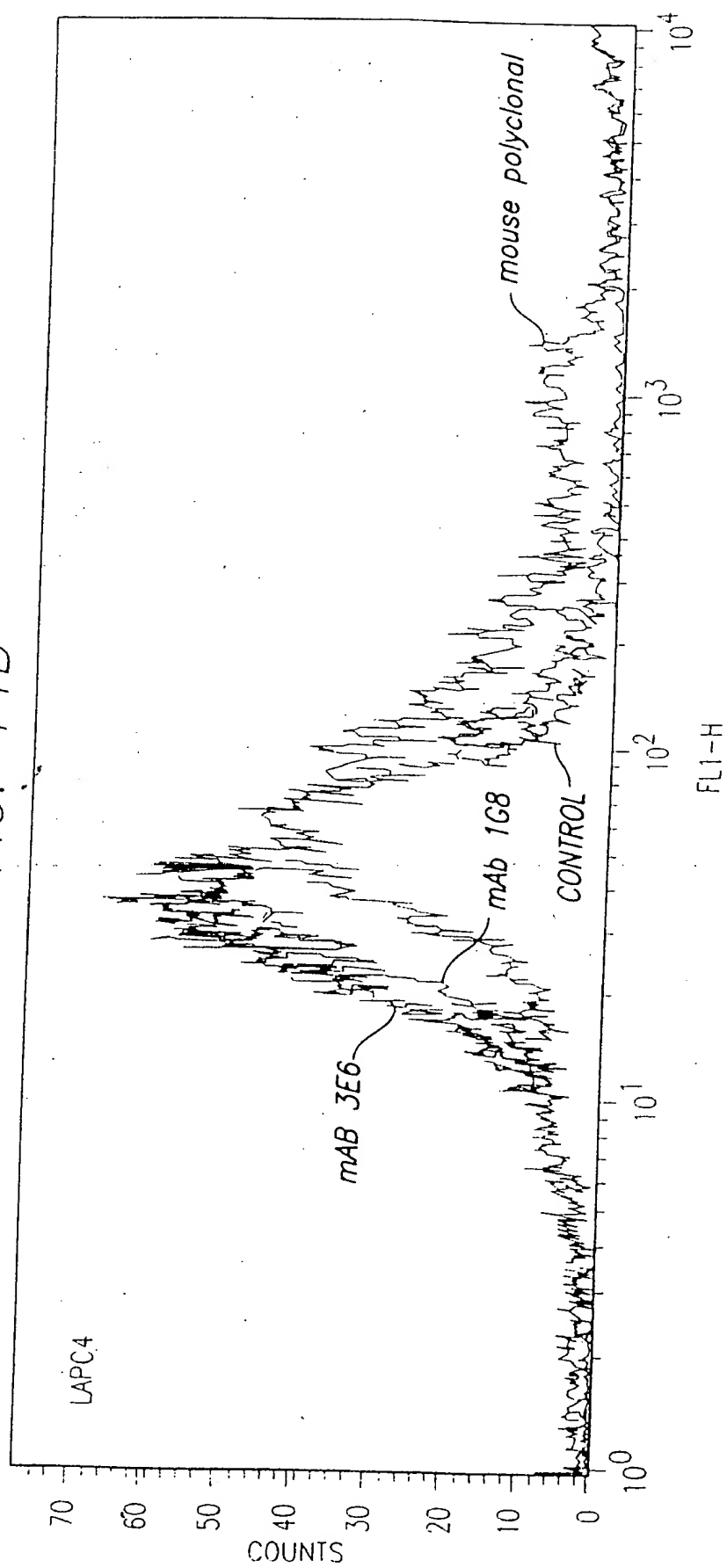
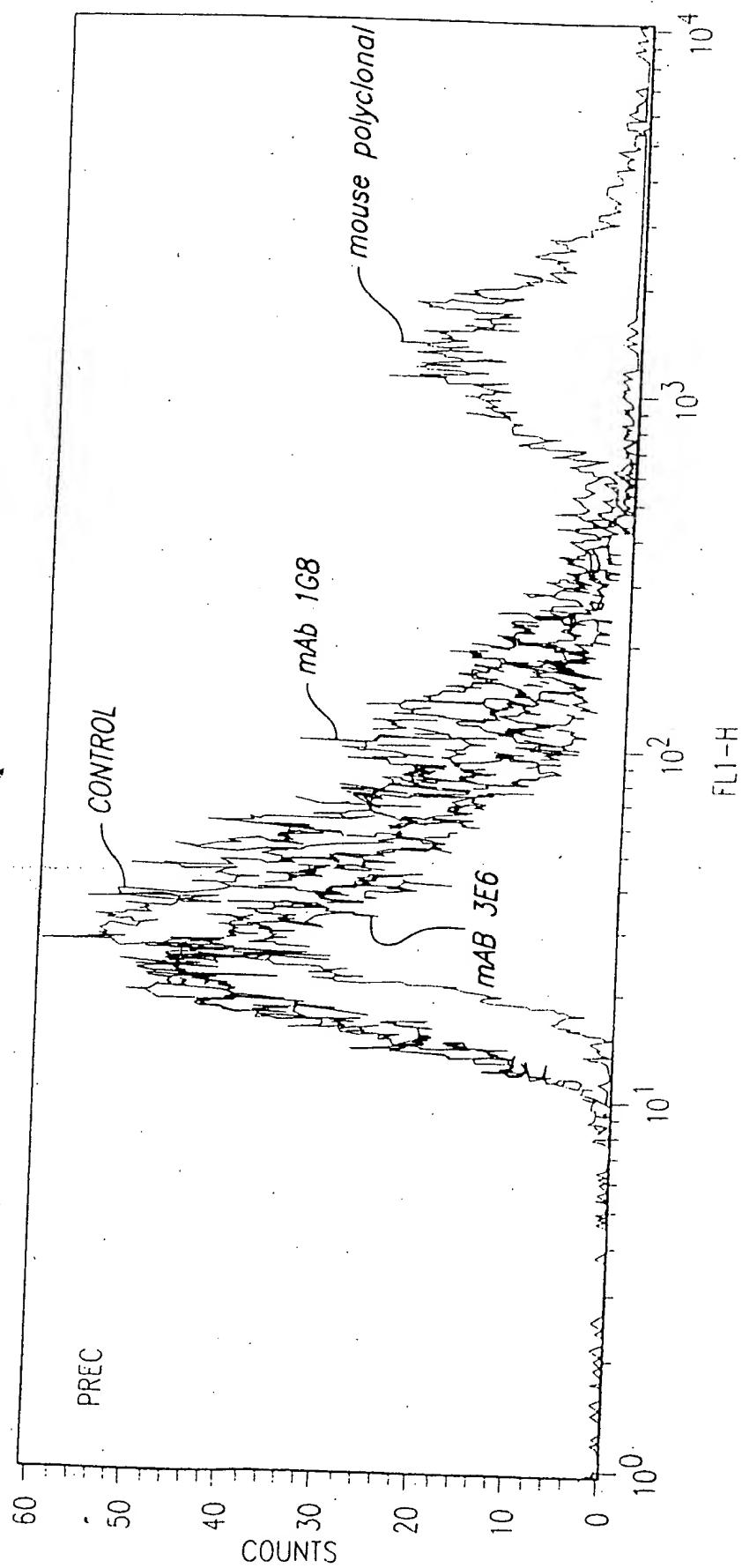


FIG. 14C



EPIIOPE MAP				
mAb	ISOIYPE	FL (18-98)	N (2-50)	M (46-109)
1G8	IgG1 k	2.039	0.007	0.628
2H9	IgG1 k	1.318	0.863	0.032
3C5	IgG2a k	2.893	1.965	0.016
3E6	IgG3 k	0.328	0.024	0.069
4A10	IgG2a k	2.039	1.315	0.000
2A2	IgG2a k	1.366	0.733	0.010
3G3	IgG2a k	2.805	1.731	0.004
				C (85-123)
				0.000
				0.021
				0.005
				0.370
				0.014
				0.003
				0.000

FIG. 15A

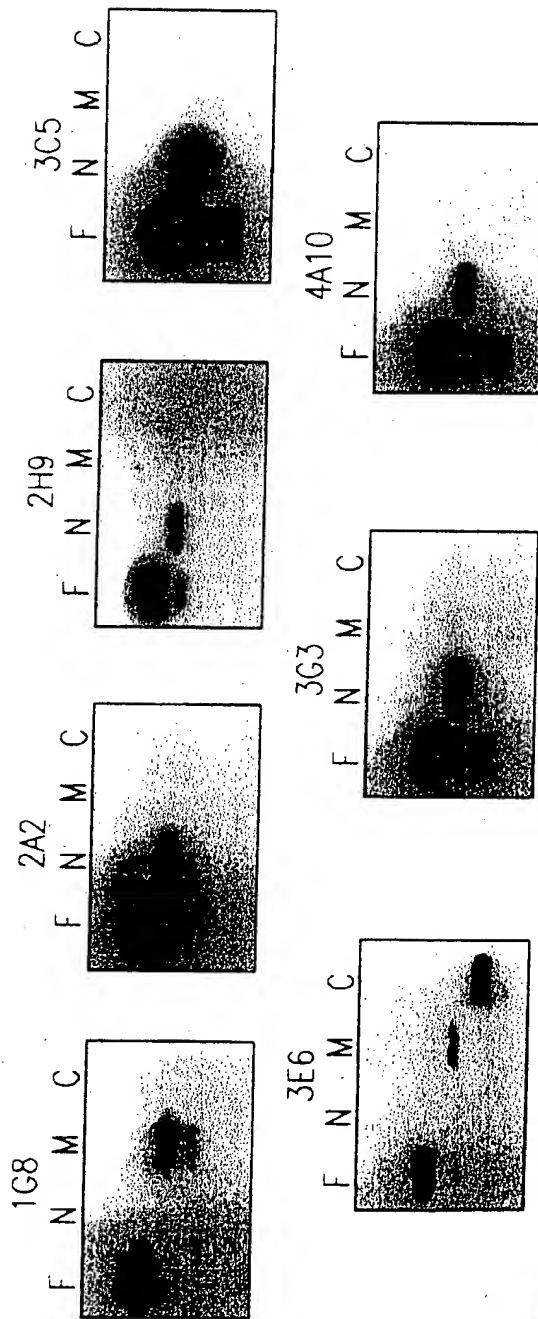


FIG. 15B

PROSTATE STEM CELL ANTIGEN (PSCA) IS A GPI-ANCHORED PROTEIN

1	M	K	I	F	L	P	V	L	L	A	A	L	L	G	V	E	R	A	S	S	hSCA-2
1	M	K	A	V	L	L	A	L	L	M	A	G	L	A	L	Q	P	G	T	A	hPSCA
1	M	K	T	V	L	F	L	L	A	T	Y	L	A	L	H	P	G	A	A	mPSCA	
21	L	M	C	F	S	C	L	N	Q	K	S	N	L	Y	C	L	K	P	T	I	
21	L	L	C	Y	S	C	K	A	Q	V	S	N	E	D	C	L	Q	V	E	N	*
21	L	Q	C	Y	S	C	T	A	Q	M	N	N	R	D	C	L	N	V	Q	N	*
41	C	S	D	Q	D	N	Y	C	V	L	V	S	A	S	A	G	I	G	N	L	
41	C	T	Q	L	G	E	Q	C	W	T	A	P	T	R	A	V	G	L	L	T	
41	C	S	L	D	Q	H	S	C	F	T	S	R	I	R	A	I	G	L	V	T	
61	V	T	F	G	H	S	L	S	K	I	C	S	P	A	C	P	I	P	E	G	
61	V	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
61	V	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
81	V	N	V	G	V	A	S	M	G	T	S	C	C	Q	Q	S	F	E	C	N	*
76	D	Y	Y	V	G	K	K	-	-	N	I	T	C	C	D	T	D	L	C	N	*
76	N	Y	Y	L	G	K	K	-	-	N	I	T	C	C	Y	S	D	L	C	N	*
101	S	A	A	D	G	G	L	R	A	S	V	I	L	L	G	A	G	L	L	L	
95	S	G	A	H	A	L	Q	P	A	A	A	I	L	A	L	P	A	L	G		
95	N	G	A	H	T	L	K	P	P	P	T	I	L	G	L	L	T	V	L	C	S
121	S	L	L	P	A	L	L	R	F	G	P	-	-	-	-	-	-	-	-	-	
115	L	L	L	W	G	P	G	Q	-	-	-	-	-	-	-	-	-	-	-	-	
115	L	L	L	W	G	S	S	R	L	-	-	-	-	-	-	-	-	-	-	-	

FIG. 16A

PROSTATE STEM CELL ANTIGEN (PSCA) IS A GPI-ANCHORED PROTEIN

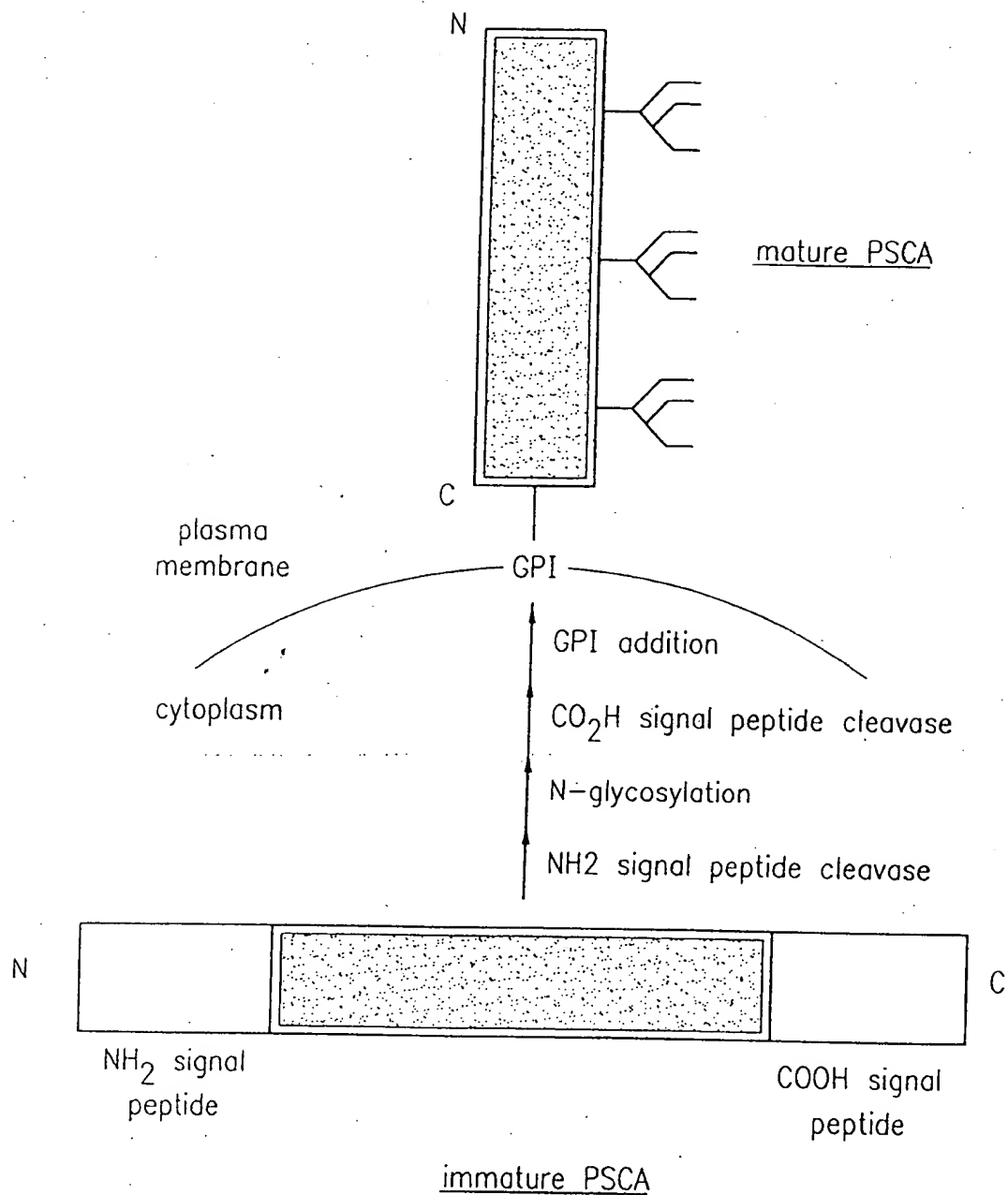


FIG. 16B

FIG. 17

FISH ANALYSIS OF PSCA AND c-myc IN PROSTATE CANCER

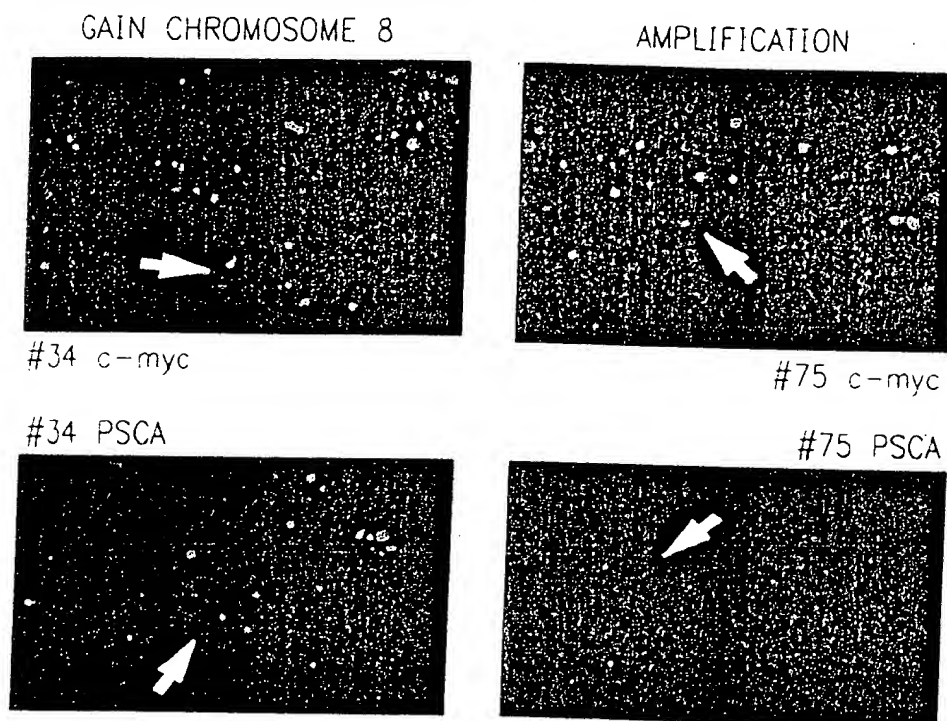
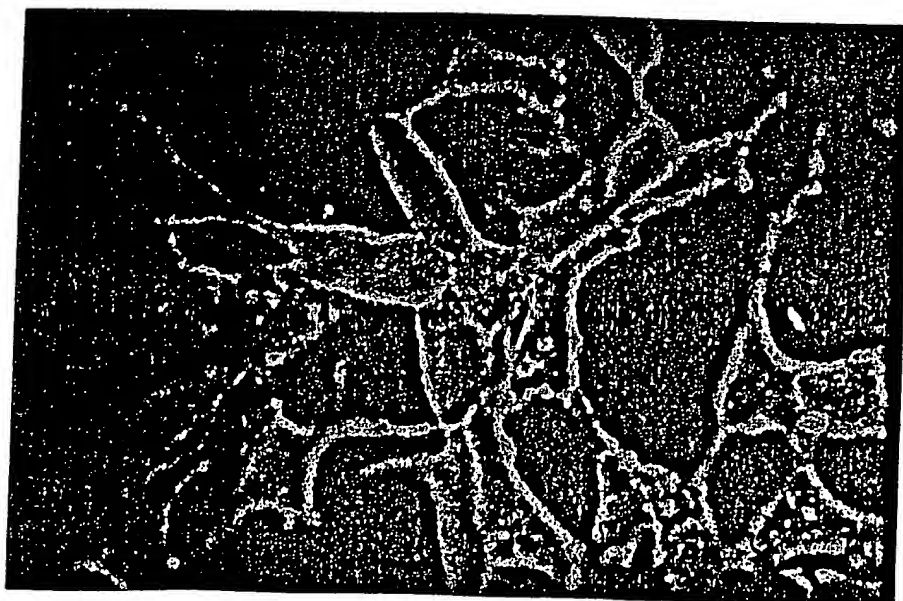


FIG. 18



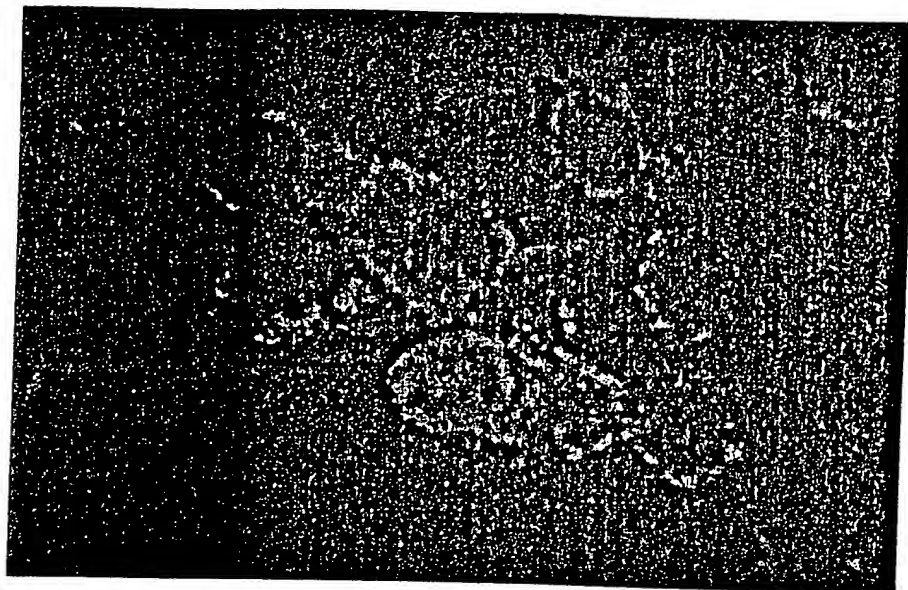


FIG. 19

FIG. 20

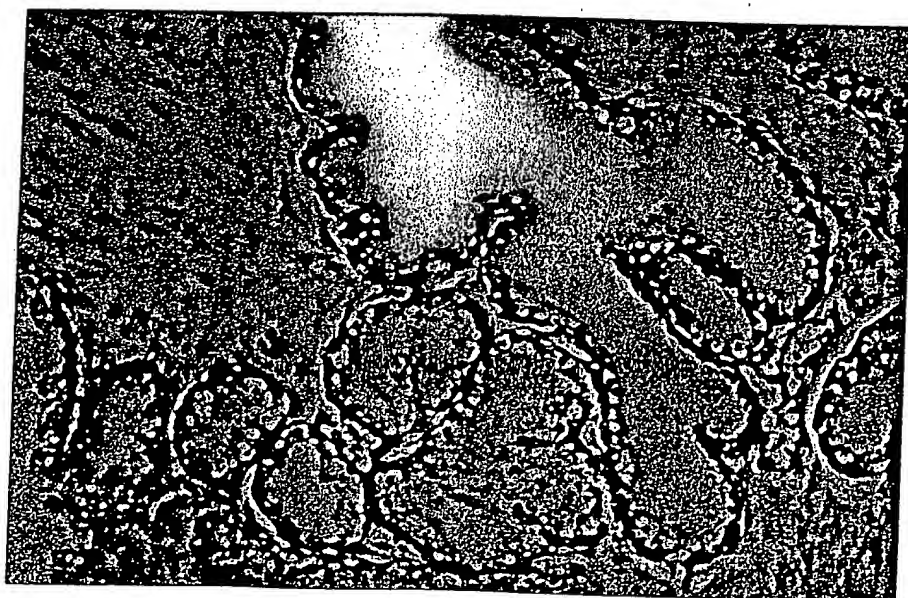
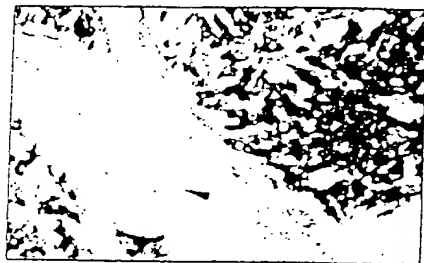
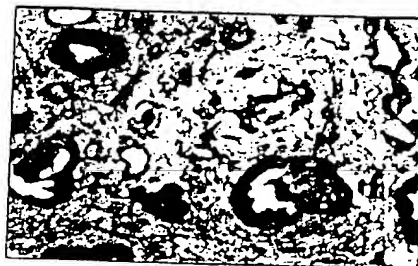


FIG. 21

PSCA IMMUNOSTAINING OF PRIMARY TUMORS



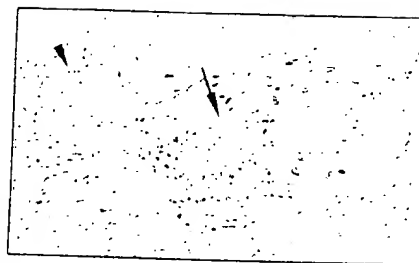
patient 1:mAb 1G8



patient 2:mAb 1G8



patient 3:mAb 1G8



patient 4:mAb 3E6

FIG. 22

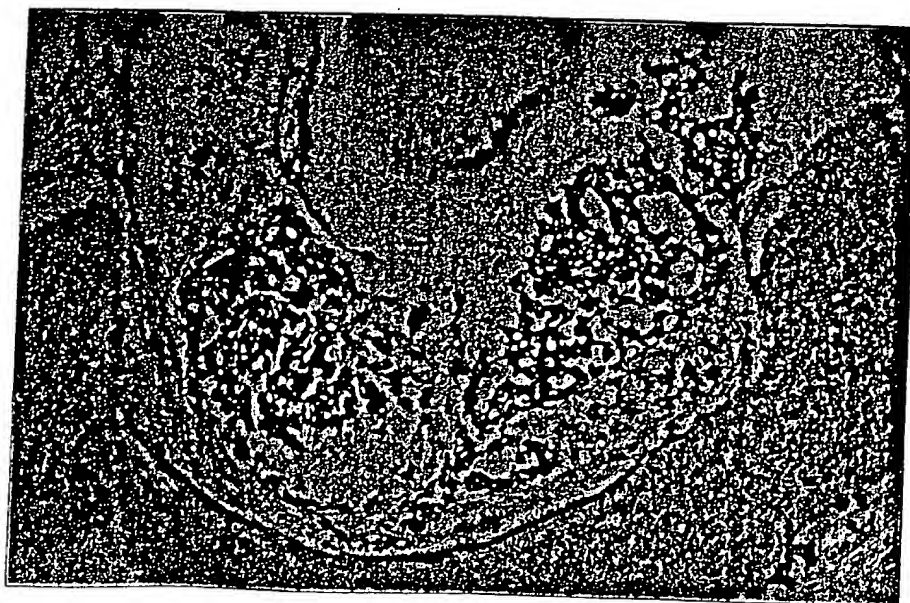


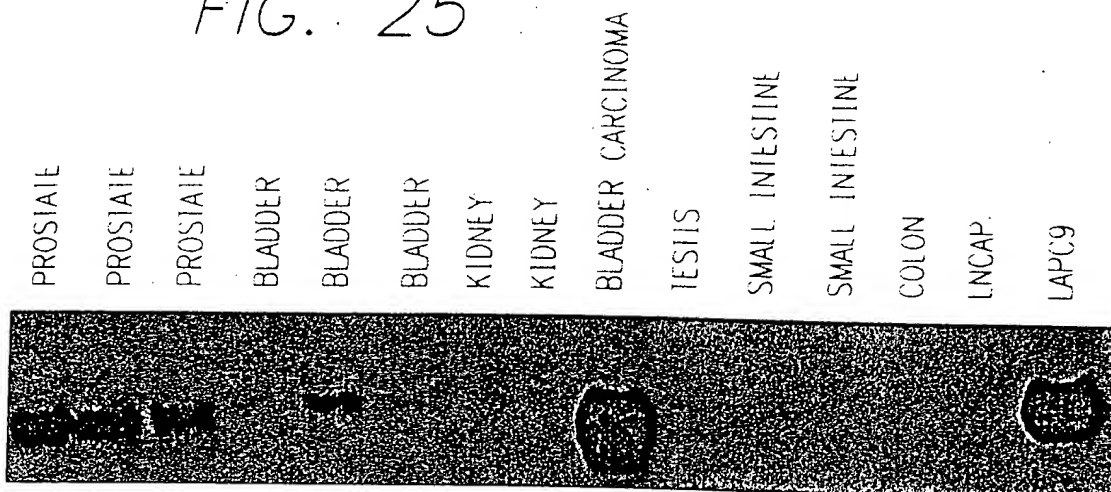


FIG. 23

FIG. 24



FIG. 25



PSCA NORTHERN

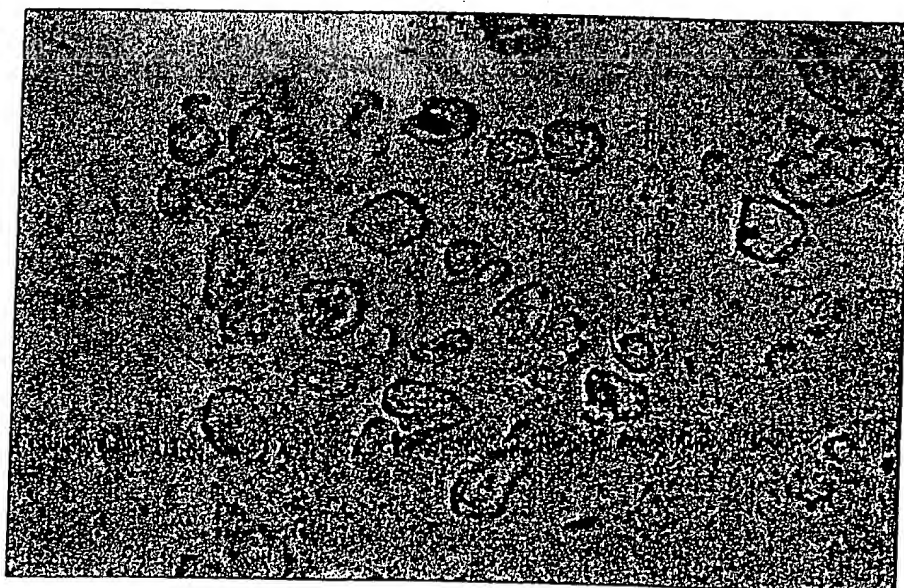


FIG. 26

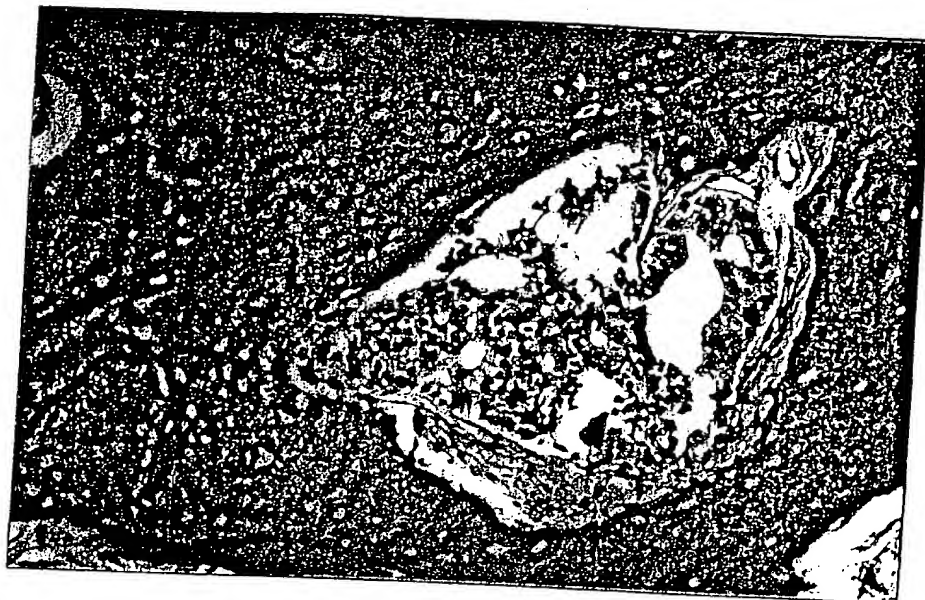
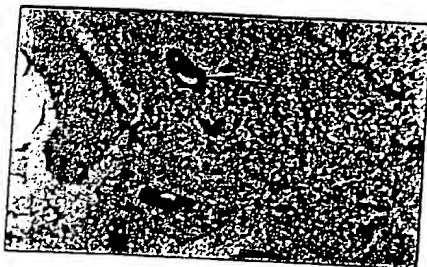
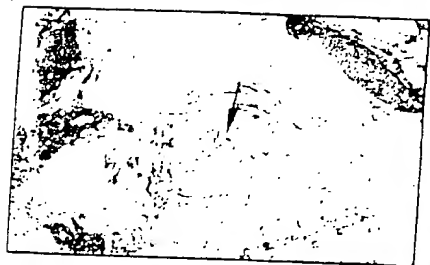


FIG. 27

PSCA IMMUNOSTAINING OF BONY METASTASES



Patient 5: H and E
and mAb 1G8



Patient 4: H and E
and mAb 3E6

FIG. 28

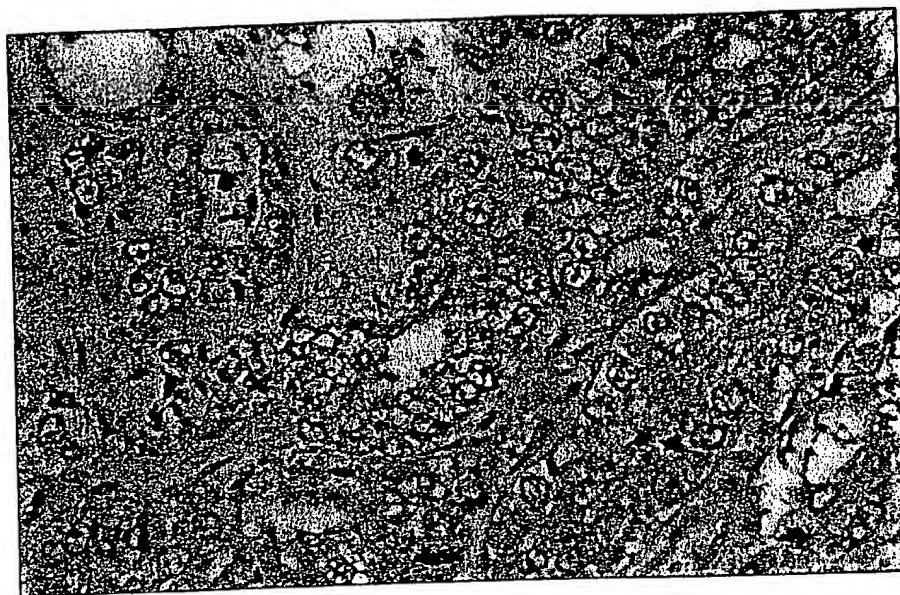


FIG. 29

FIG. 30





FIG. 31

FIG. 32

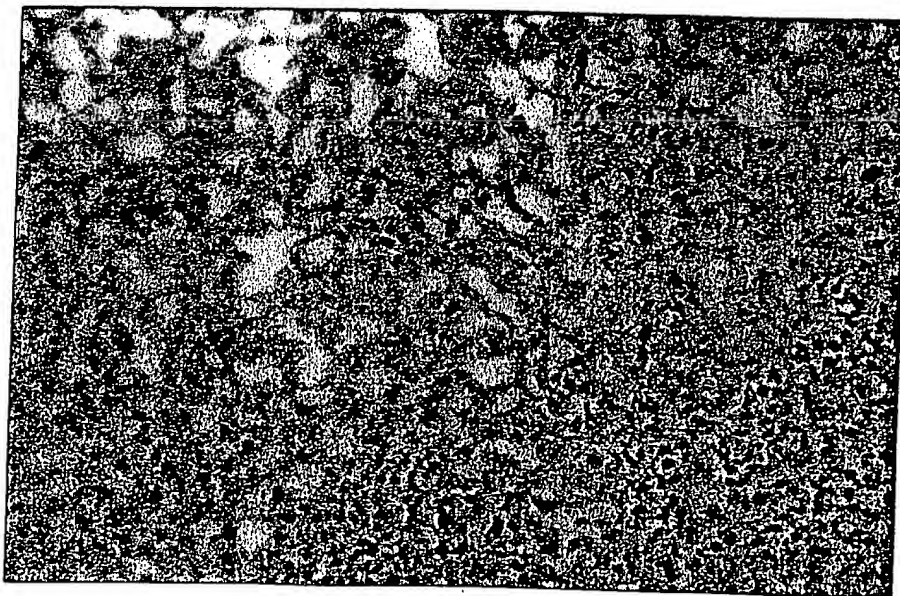
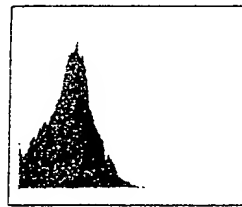


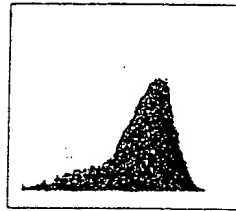
FIG. 33

PSCA EXPRESSION IN LAPC-9 XENOGRAFT BY FACS

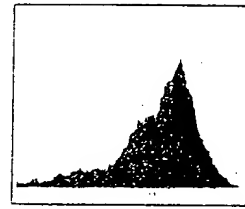
SECONDARY ANTIBODY



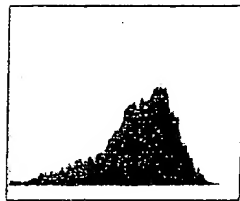
1G8



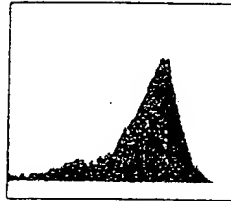
2H9



4A10



3C5



3E6

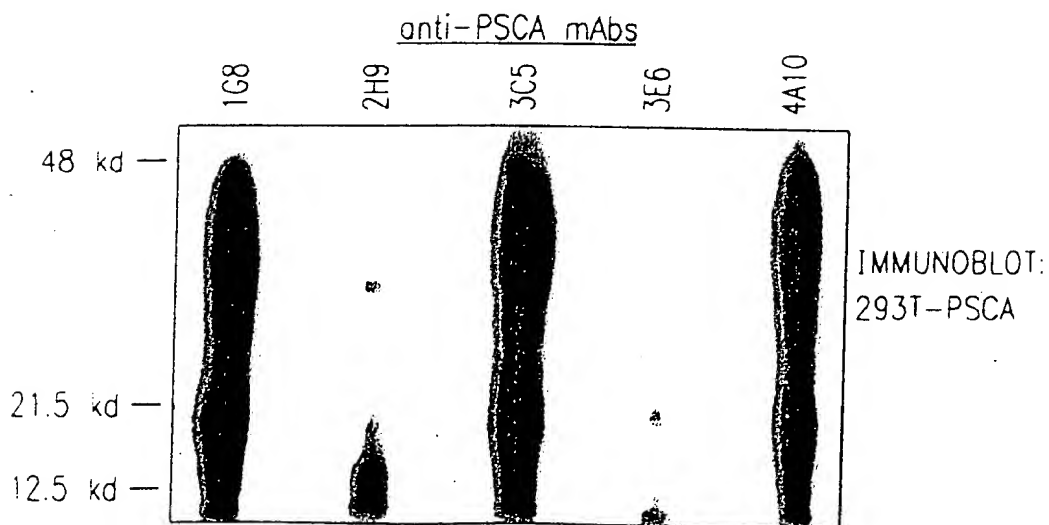
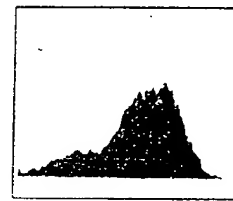


FIG. 34

FIG. 35

IMMUNOFLUORESCENT STAINING OF LNCaP-PSCA CELLS

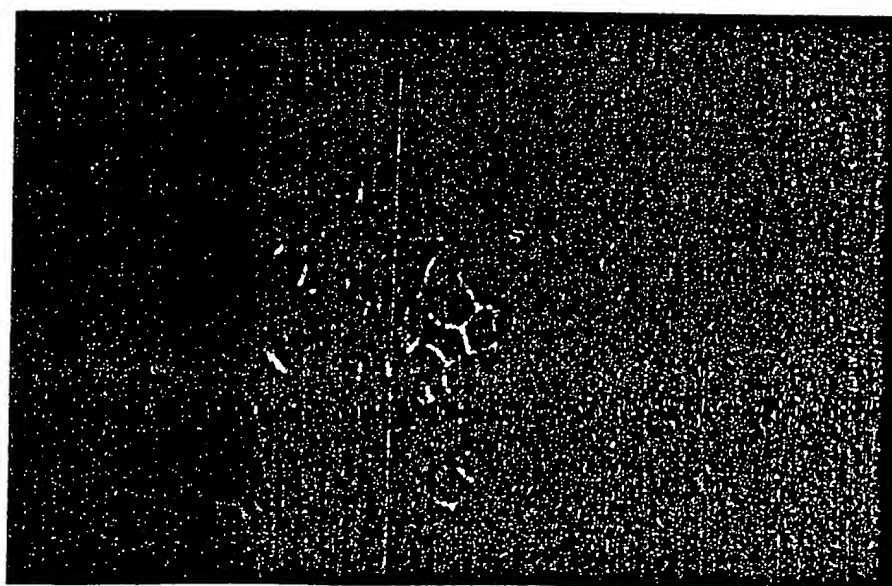
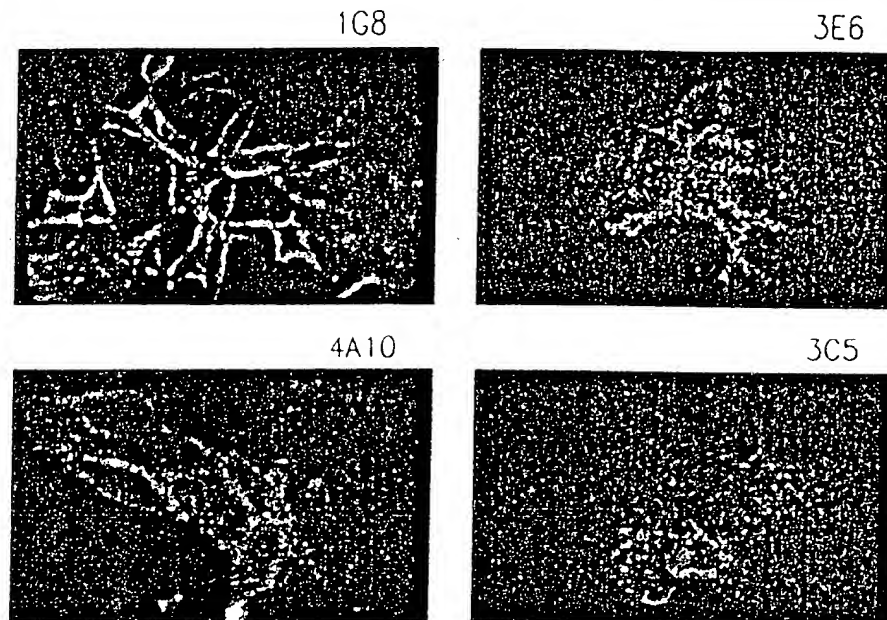


FIG. 36

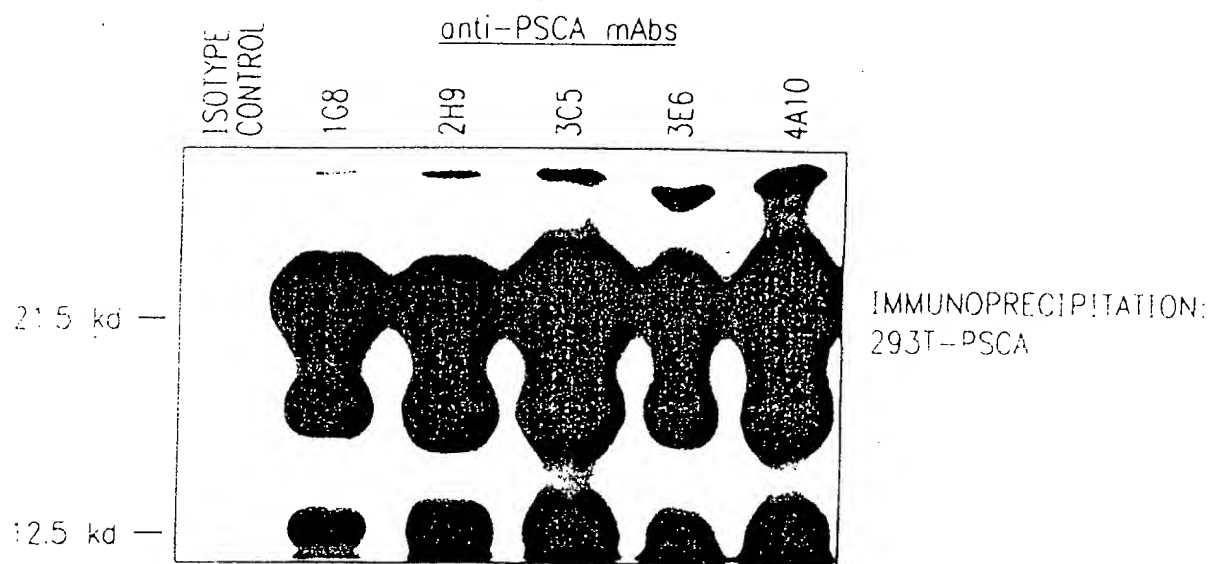


FIG. 37

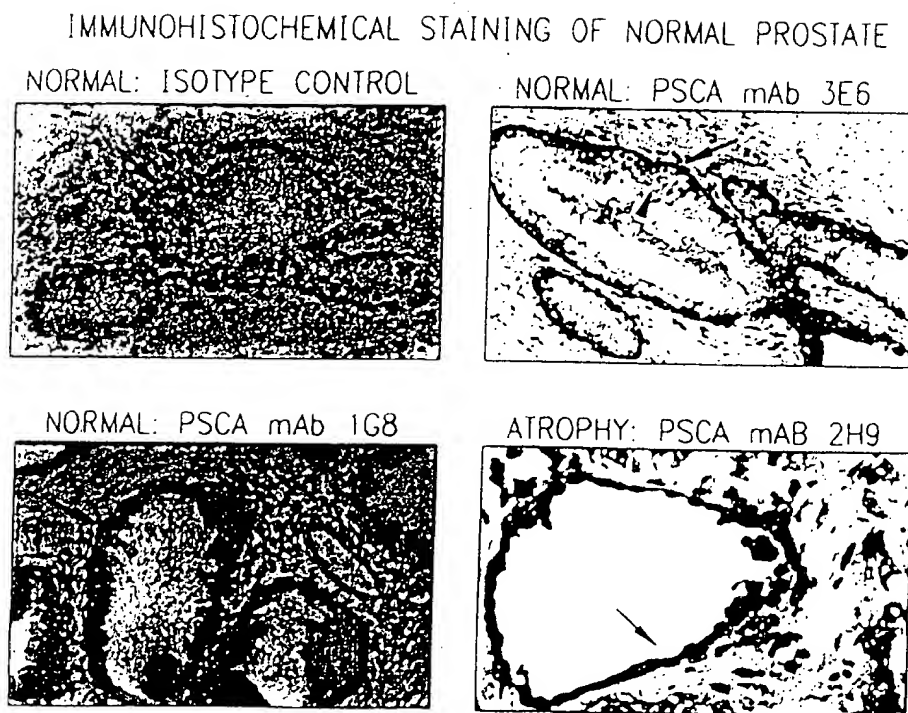
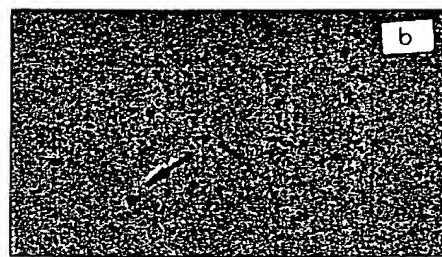


FIG. 38

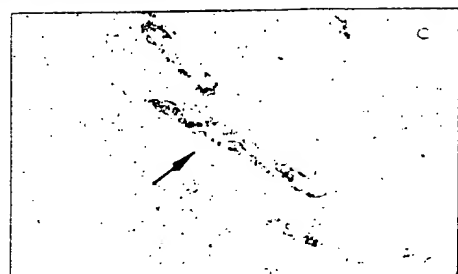
FIG. 39A



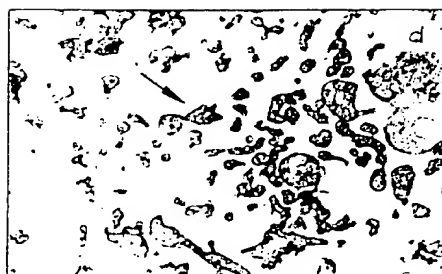
BLADDER: 1G8



COLON: 1G8



KIDNEY: 3E6



PLACENTA: 3E6

PROSTATE

PROSTATE

PROSTATE

KIDNEY

KIDNEY

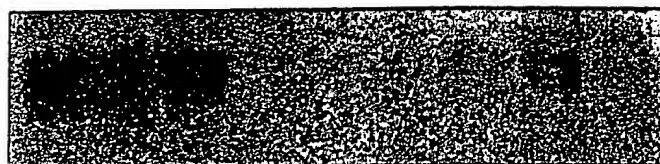
KIDNEY

BLADDER

BLADDER

BLADDER

LAPC 9



PSCA



ACTIN

FIG. 39B

FIG. 40A

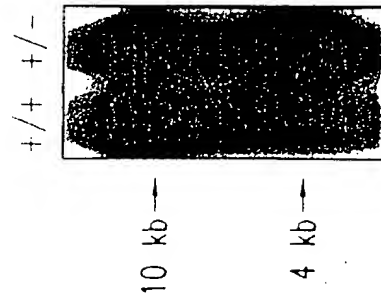
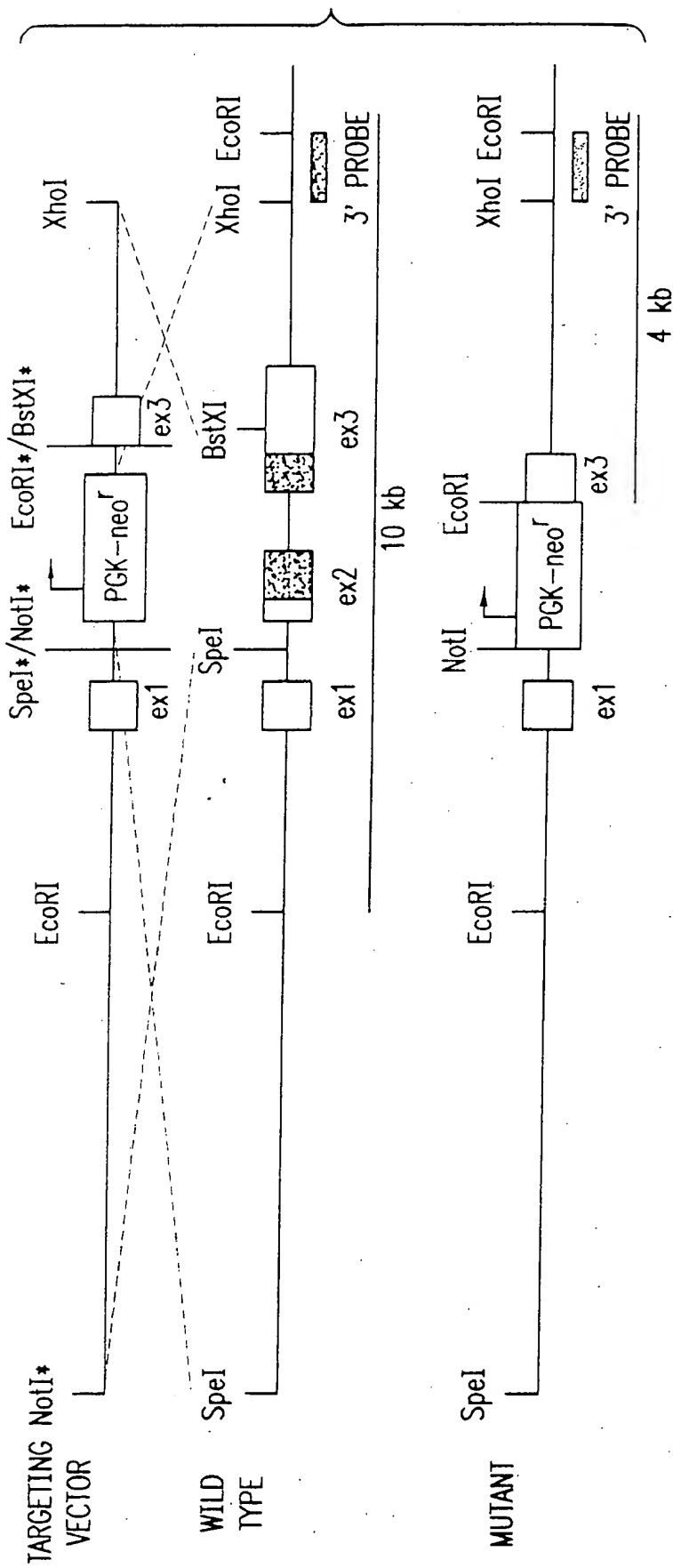
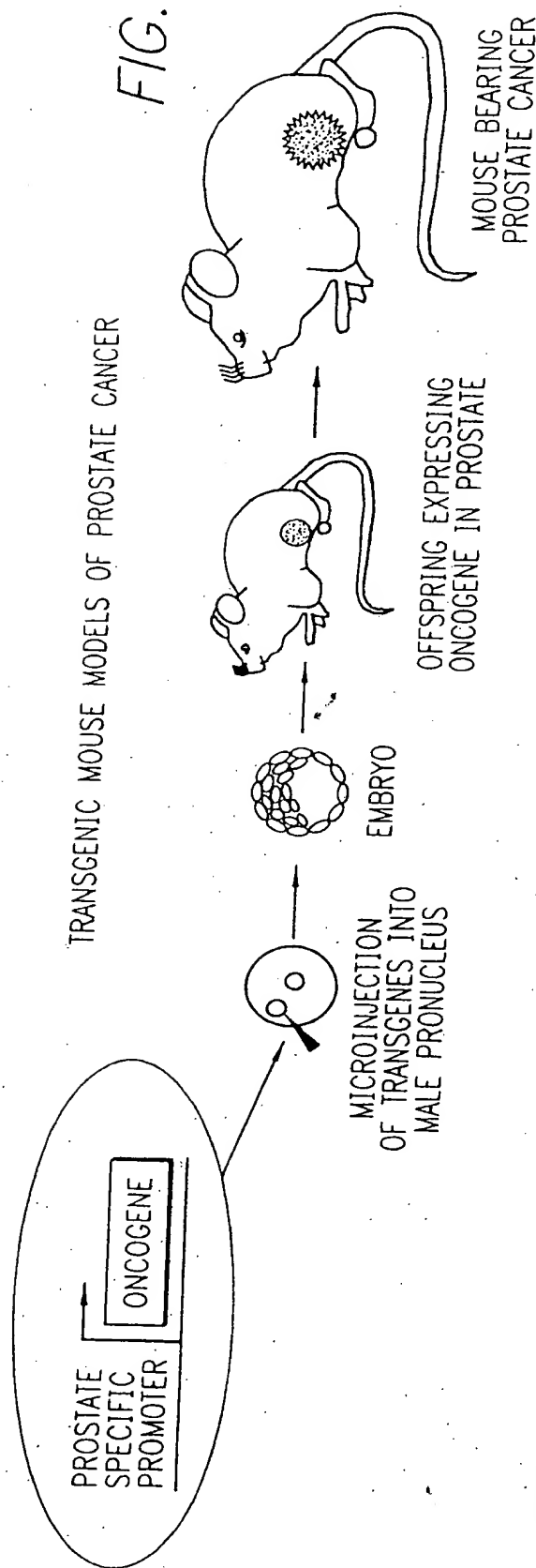


FIG. 40B

FIG. 41

TRANSGENIC MOUSE MODELS OF PROSTATE CANCER



TRANSGENE	TARGET TISSUES	CHARACTERISTICS
C3(1) (-3 kb)/ SV40 LARGE+SMALL, T MAROULAKOU et al. 1994 PNAS	PROSTATE (SECRETORY CELLS) URETHRAL, MAMMARY AND SWEAT GLAND	LOW-GRADE PIN 8-12 WKS HIGH-GRADE PIN 8-12 WKS INVASIVE CARCINOMA 28 WKS NO METASTASES
PROBASIN (-426 bp)/ SV40 LARGE+SMALL, T GREENBERG et al. 1995 PNAS	PROSTATE (SECRETORY CELLS)	LOW-GRADE PIN 5-8 WKS HIGH-GRADE PIN 8-12 WKS INVASIVE CARCINOMA 12 WKS METASTASES IN LYMPH NODE, LUNG, LIVER AND BONE
CRYPTIDIN2 (-6.5 kb)/ SV40 LARGE+SMALL, T GARABEDIAN et al. 1998 PNAS	PROSTATE (NEUROENDOCRINE CELLS) SMALL INTESTINE	LOW-GRADE PIN 8-12 WKS HIGH-GRADE PIN 8-12 WKS INVASIVE CARCINOMA 16 WKS METASTASES IN LYMPH NODE, LUNG, LIVER, AND BONE

REPORTER GENE CONSTRUCTS FOR TRANSFECTION ASSAY

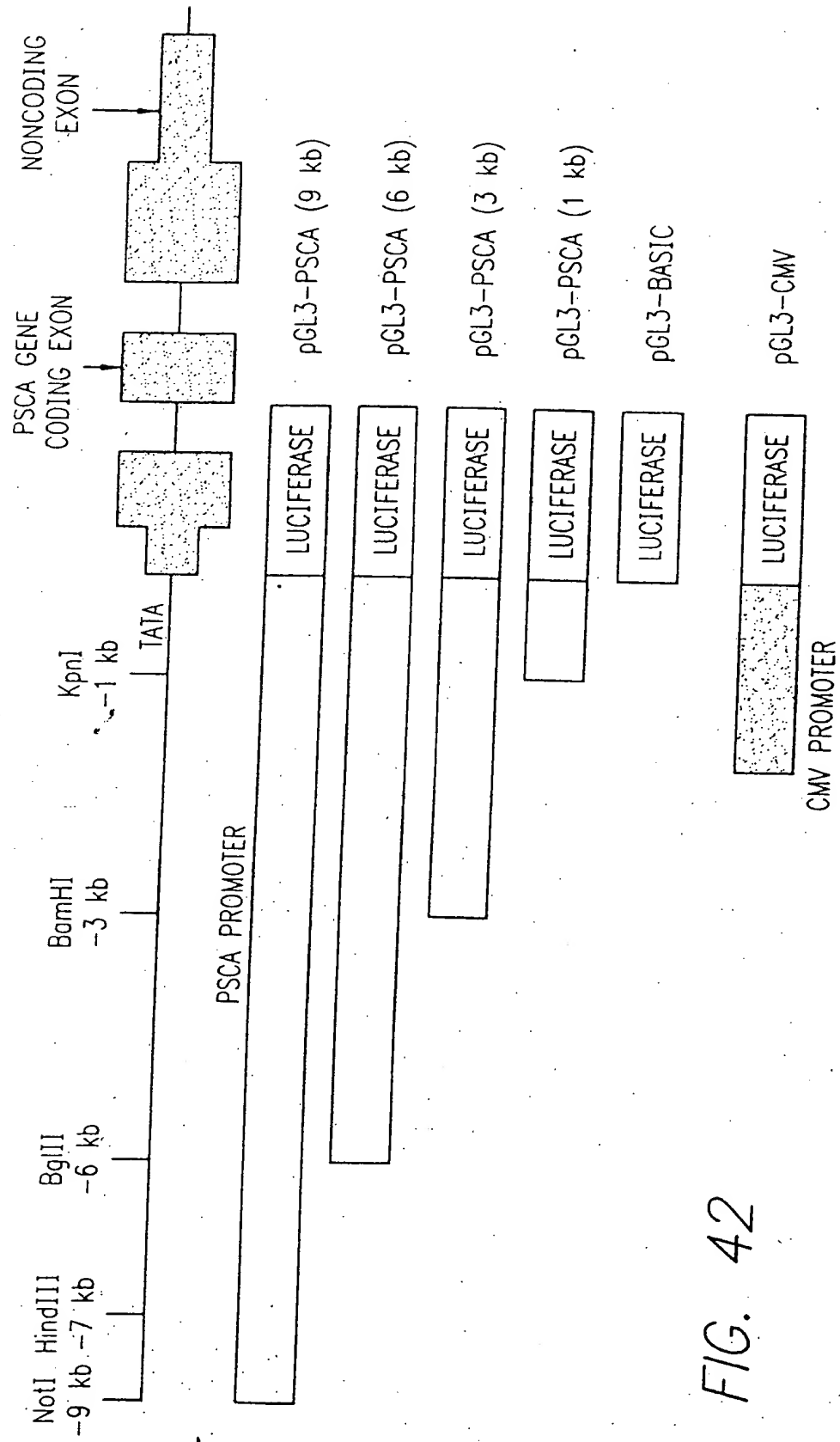


FIG. 42

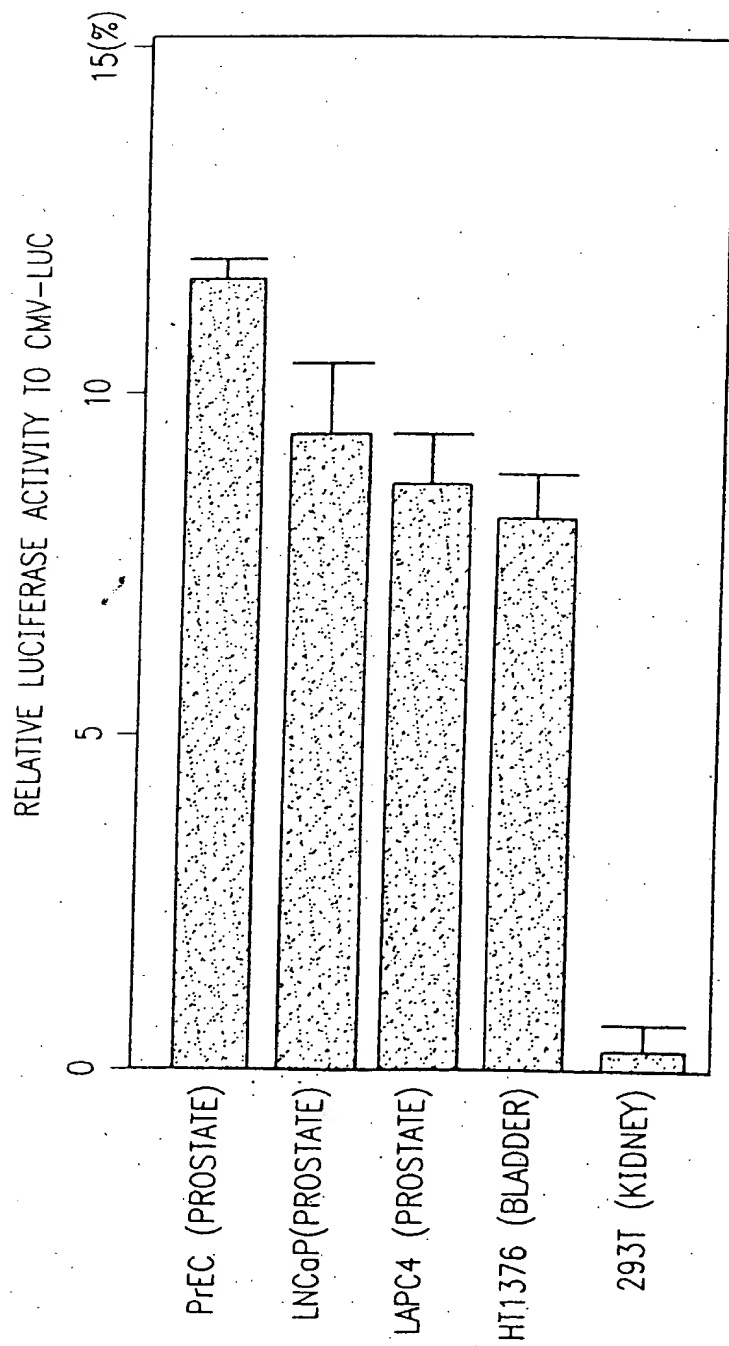


FIG. 43

IDENTIFICATION OF PROSTATE-SPECIFIC ELEMENTS WITHIN PSCA PROMOTER SEQUENCES

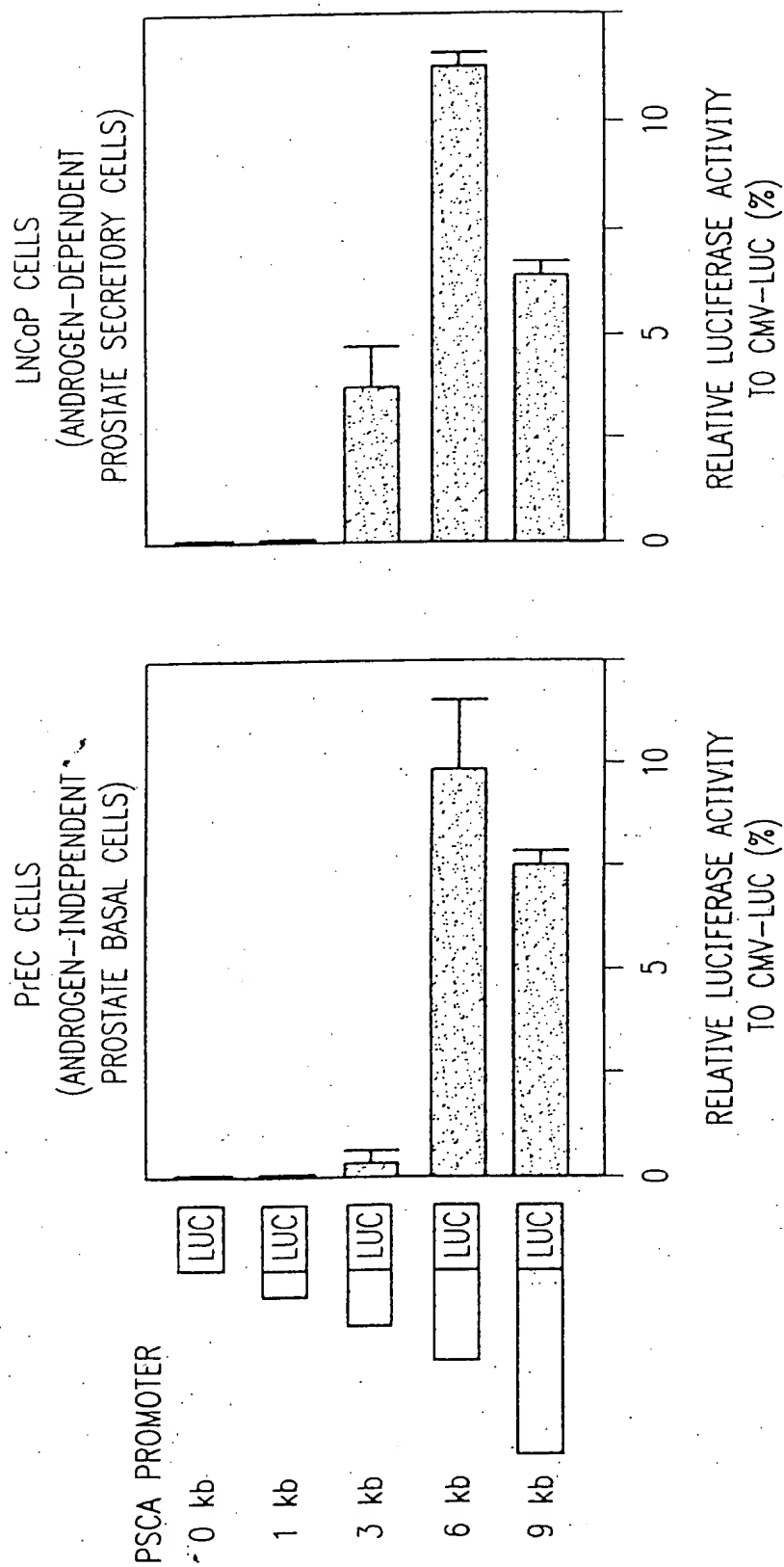
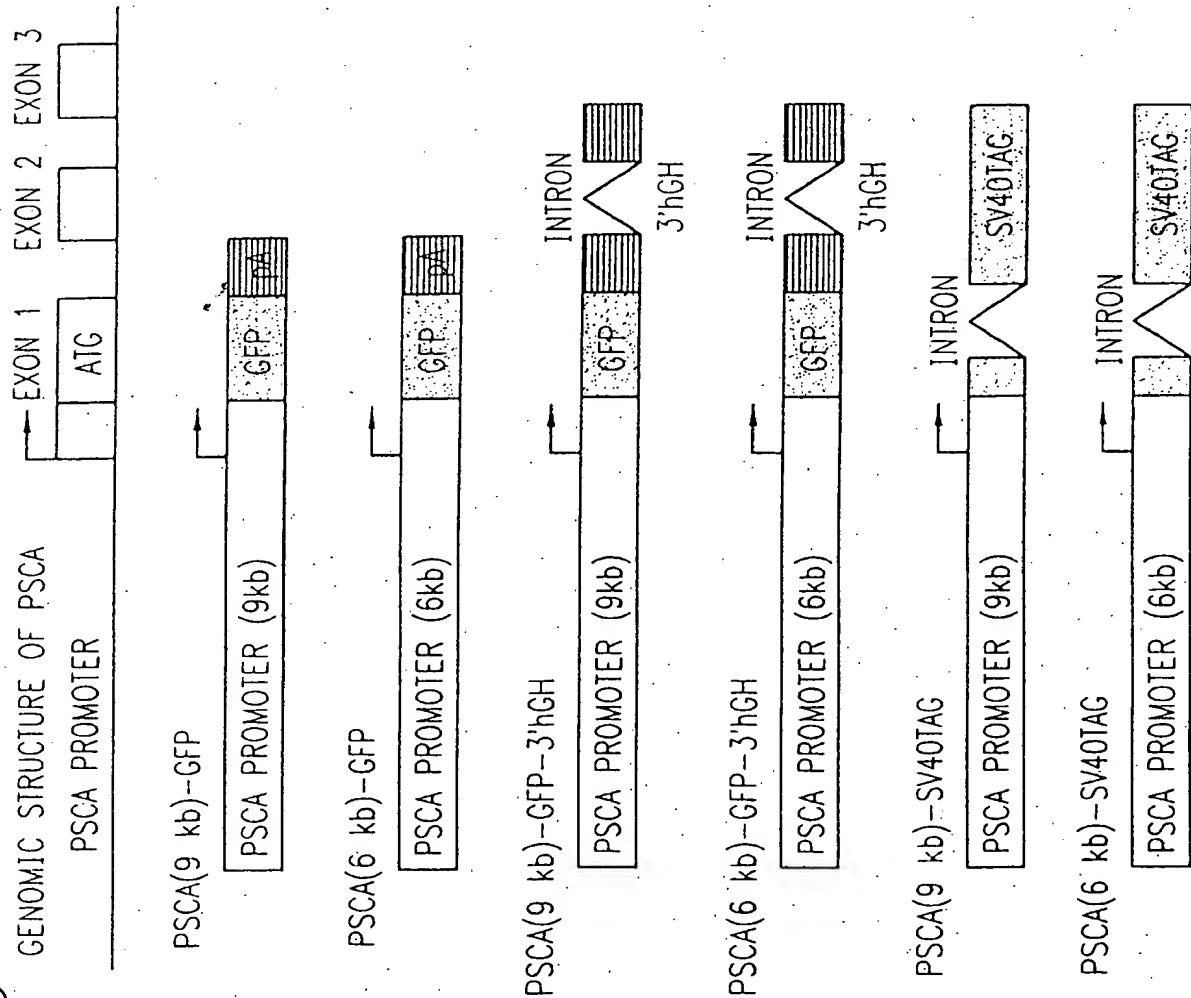


FIG. 44

FIG. 45

UPDATE OF TRANSGENIC MOUSE PROJECTS



NUMBER OF FOUNDERS (DNA POSITIVE)
2
1
6
8
3
9

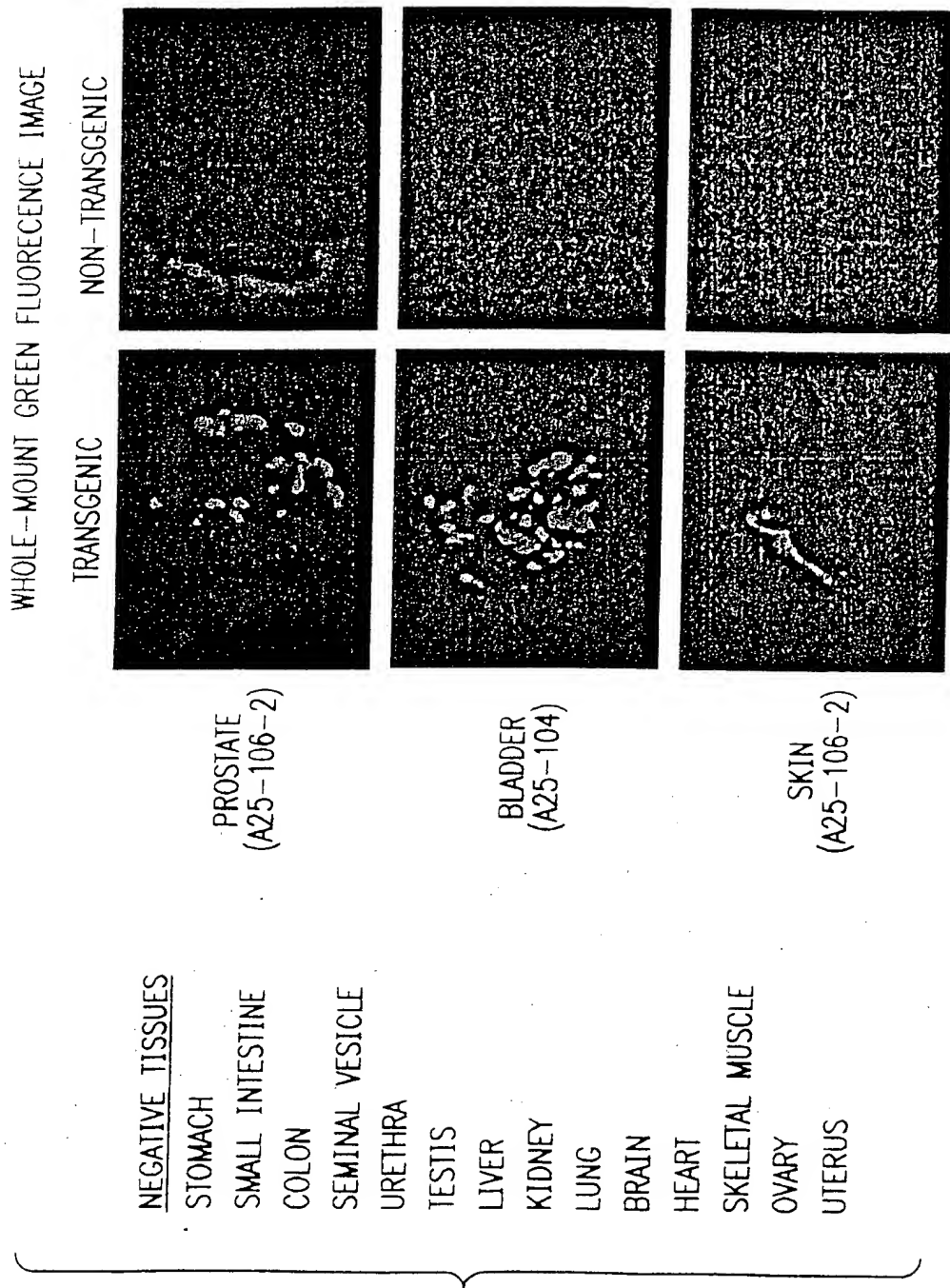


FIG. 46

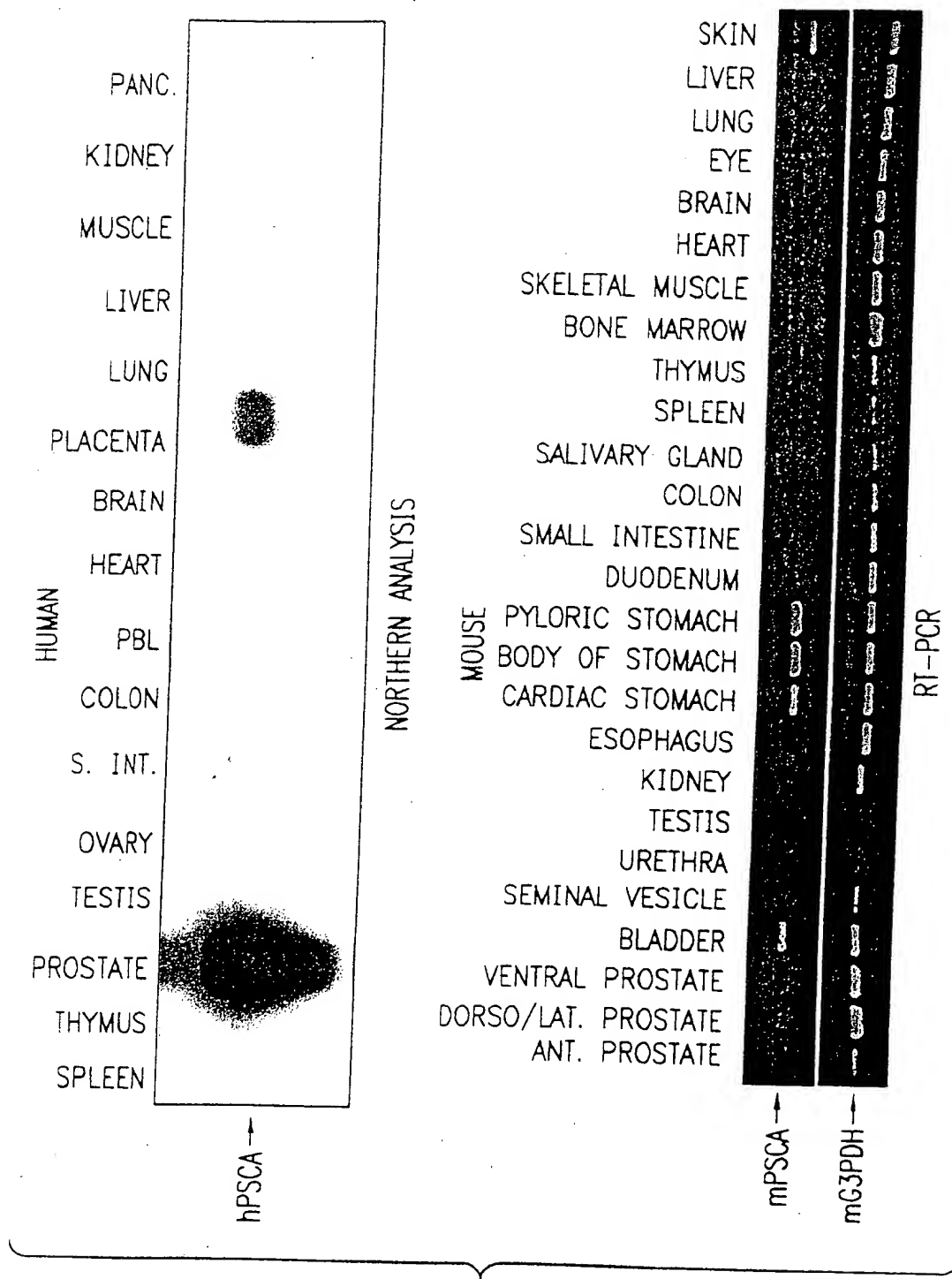


FIG. 47

A circular diagram showing the distribution of 1000 respondents by age group. The circle is divided into segments representing different age ranges: 18-24, 25-34, 35-44, 45-54, 55-64, 65-74, 75-84, and 85+. The segments are labeled with their respective percentages of the total respondents.

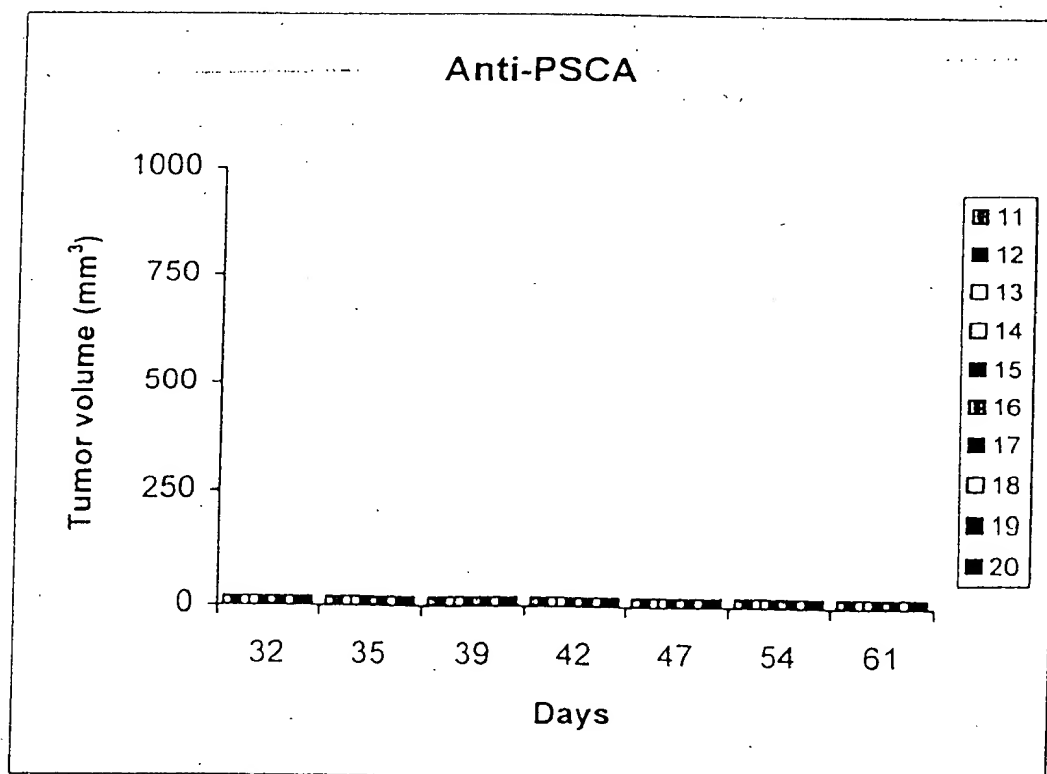
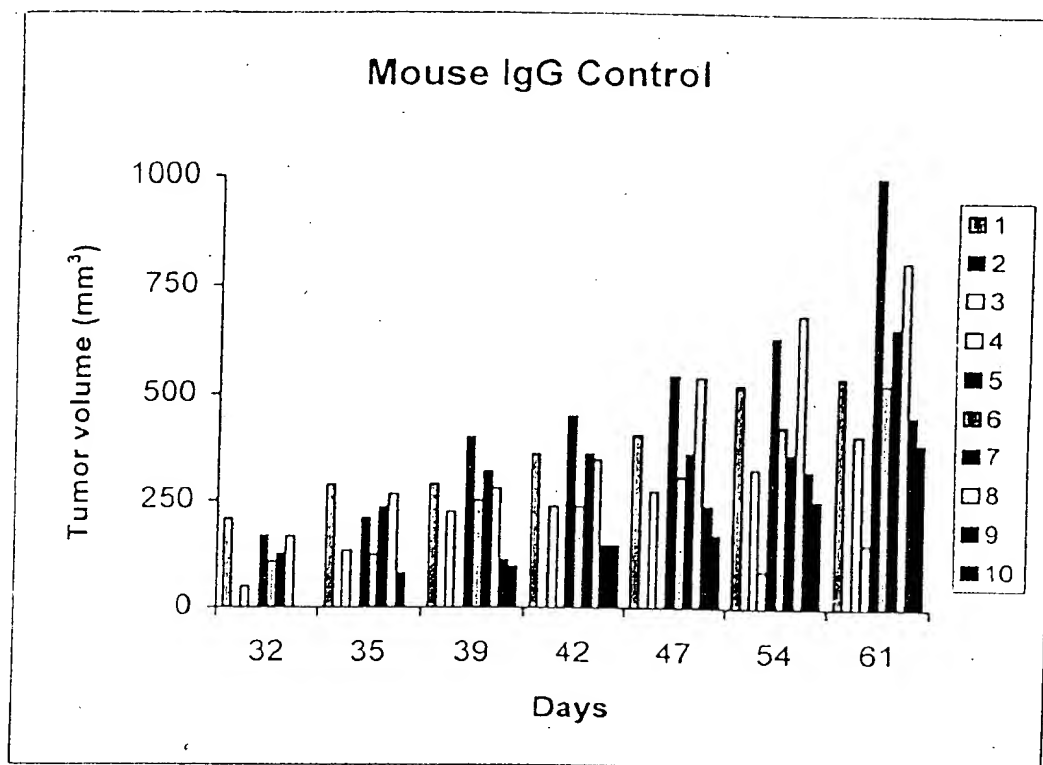


FIG. 49

A

Epitope recognized (OD 450 nm)

mAb	Isotype	F (18-98)	N (2-50)	M (46-109)	C (85-123)
1G8	IgG1 k	1.485	0.004	1.273	0.003
2A2	IgG2a k	0.973	0.631	0.023	0.010
2H9	IgG1 k	1.069	1.026	0.002	0.001
3C5	IgG2a k	1.916	1.709	0.006	0.002
3E6	IgG3 k	1.609	0.036	1.133	2.118
3G3	IgG2a k	2.805	1.731	0.004	0.000
4A10	IgG2a k	1.053	0.493	0.000	0.001

B

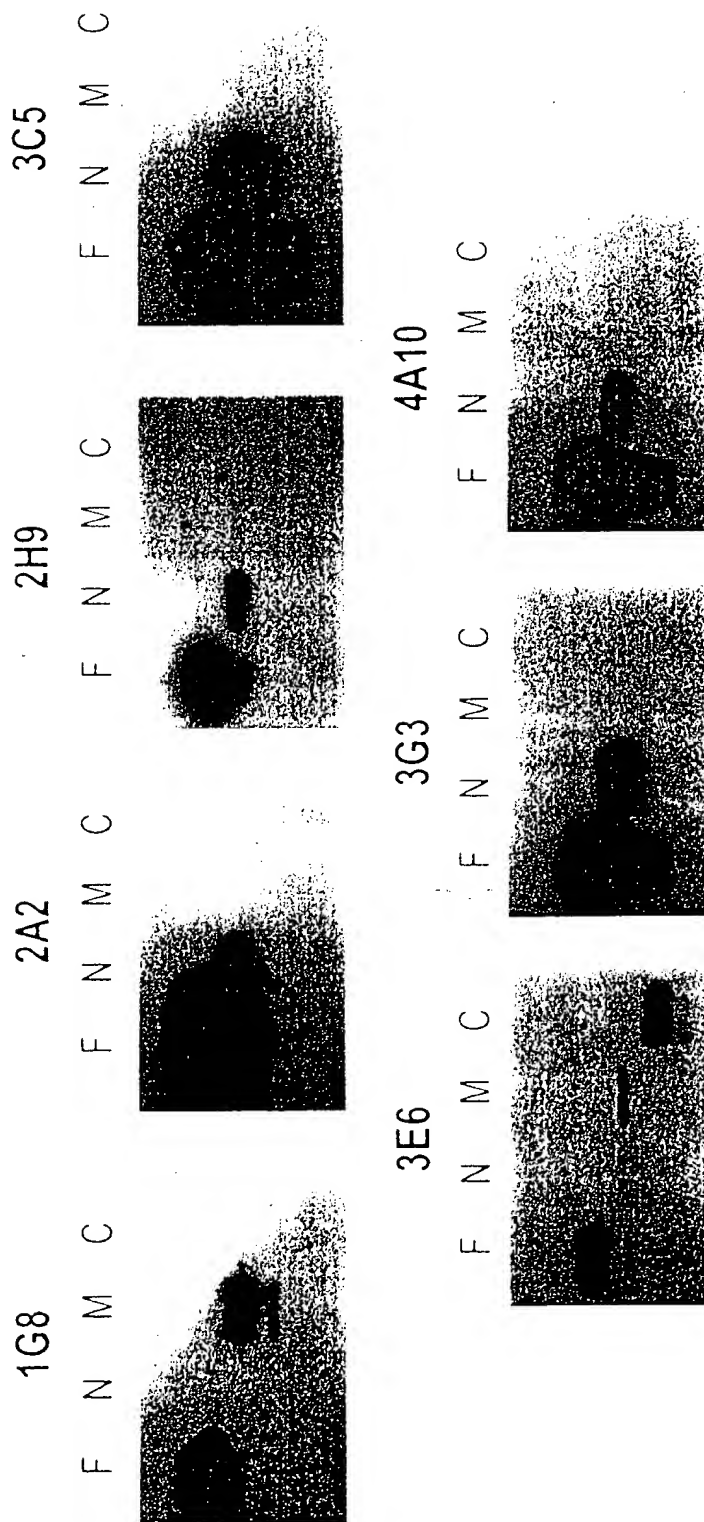
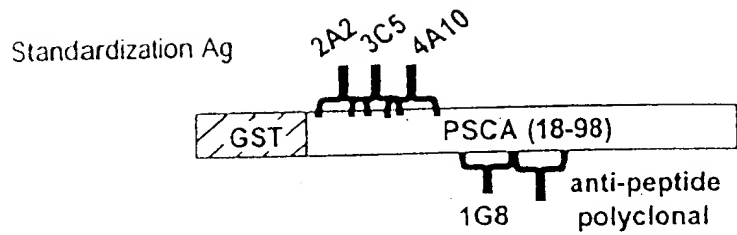
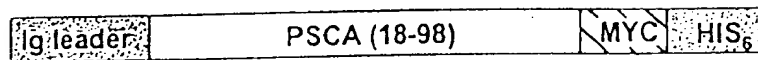


FIG. 50

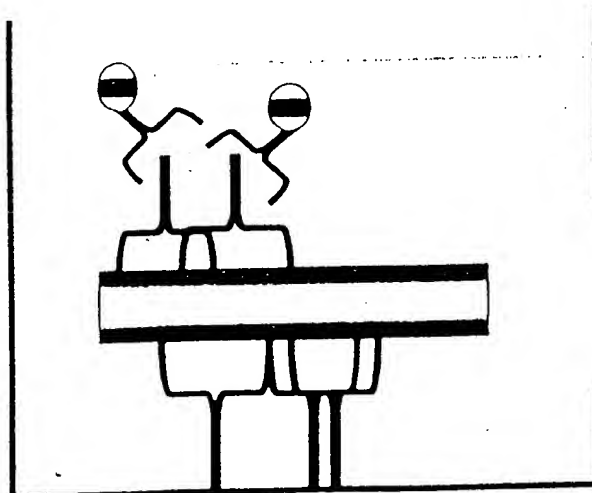
A



Engineered mammalian secreted form



B



Anti-IgG2a HRP

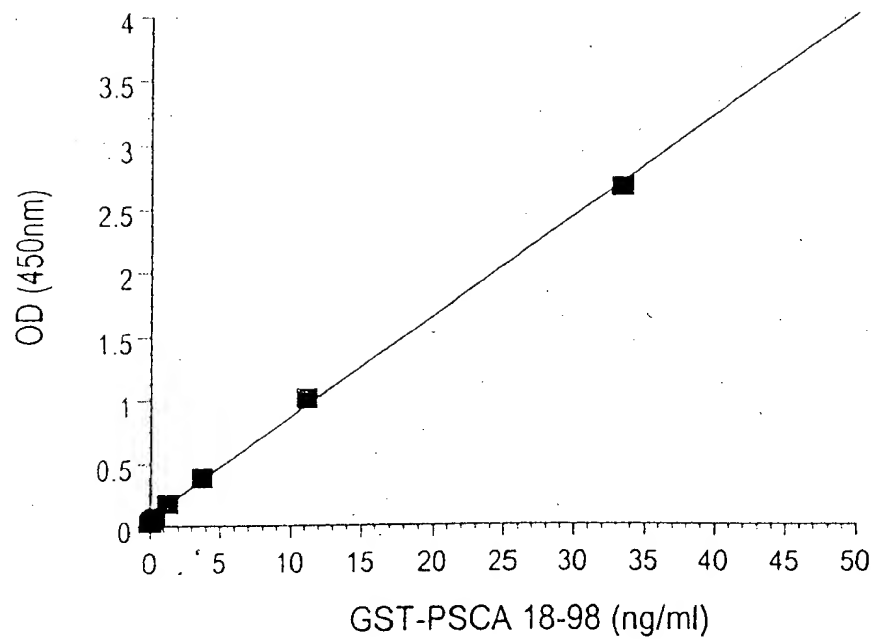
Anti-PSCA mAbs 3C5+4A10+2A2 (IgG2a)

PSCA

Affinity purified anti-peptide polyclonal
+ mAb 1G8 (IgG1)

FIG. 51

A



B

Sample	OD+range (n=2)	ng/ml
vector	0.005+0.001	ND
vector+hu serum	0.004+0.001	ND
secPSCA	2.695+0.031	32.92
secPSCA+hu serum	2.187+0.029	26.55

FIG. 52

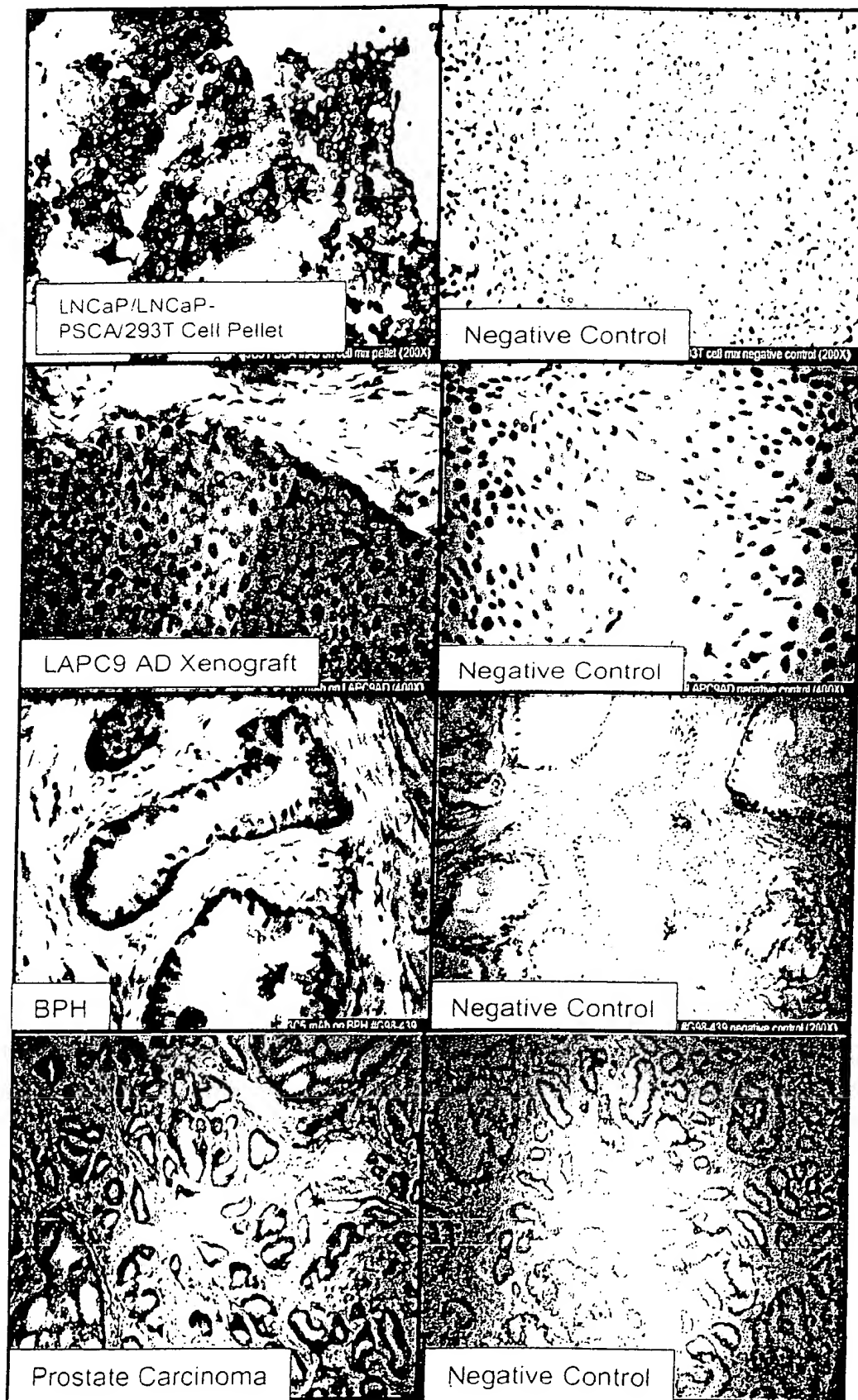


FIG. 53

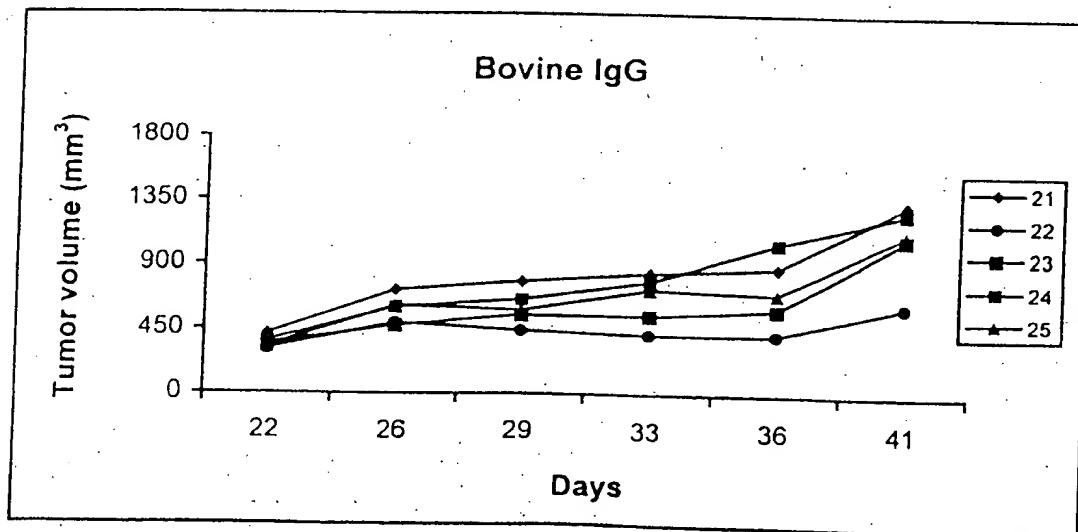
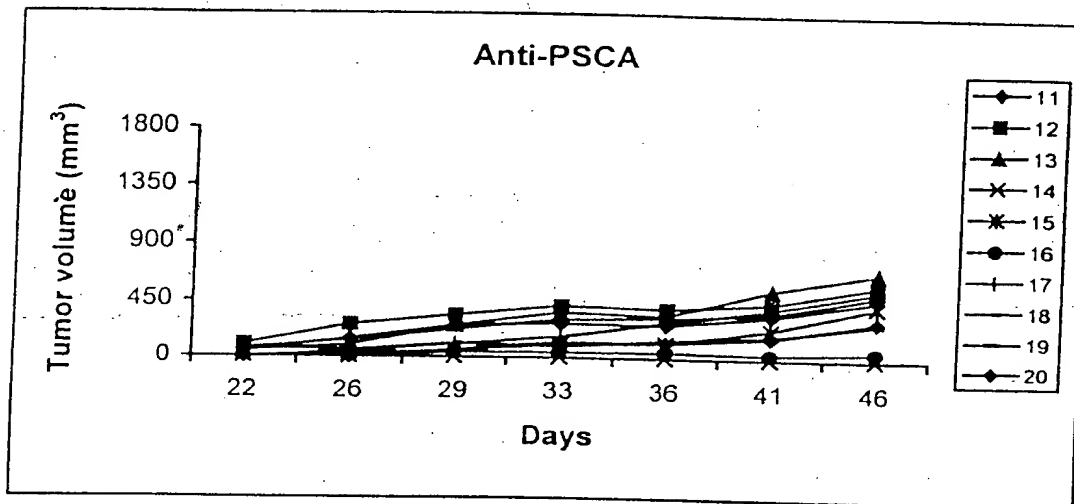
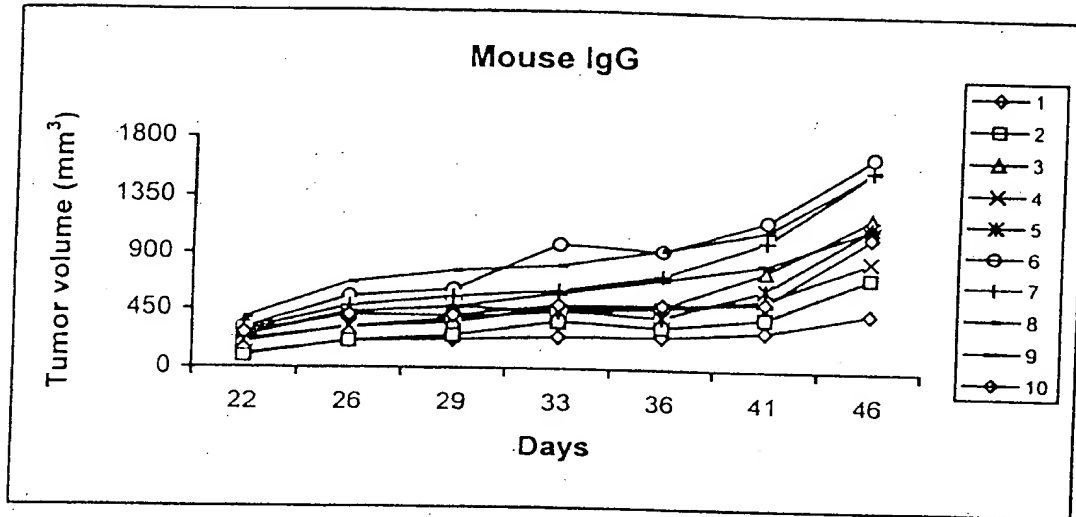


FIG. 54

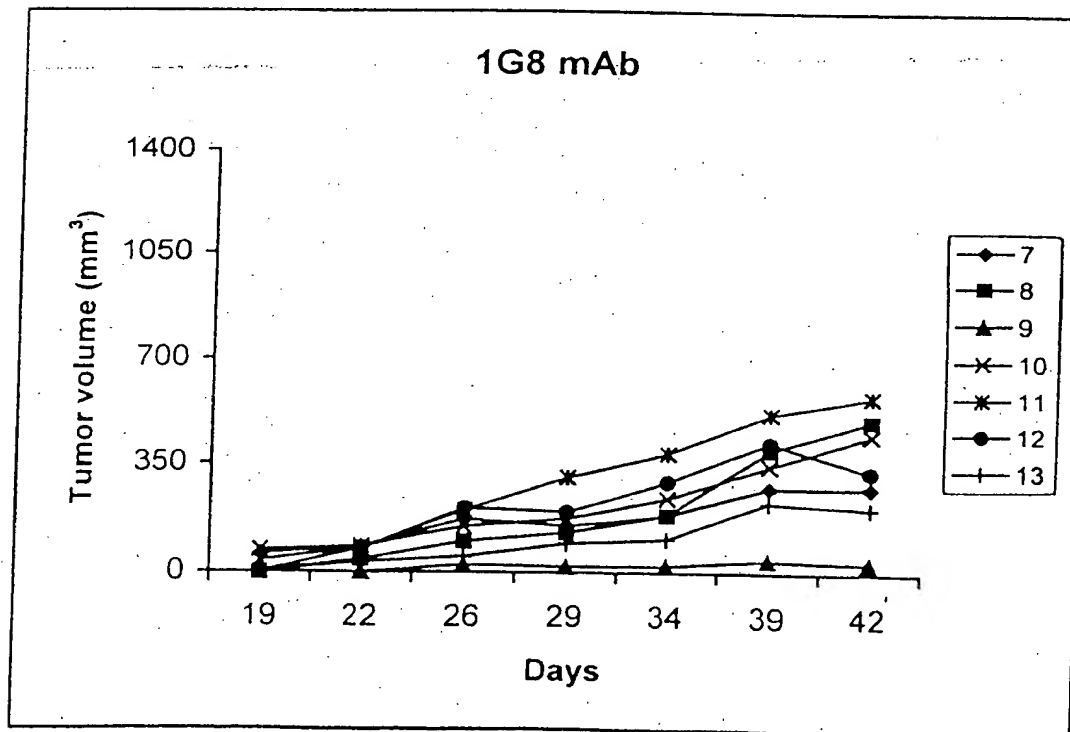
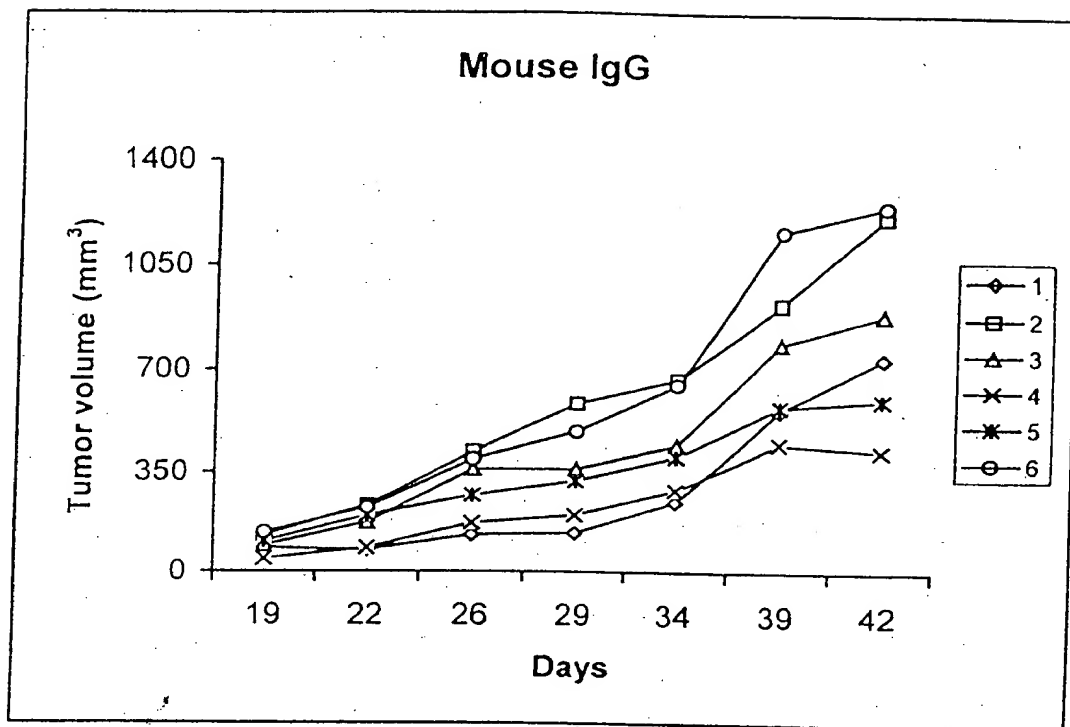


FIG. 55

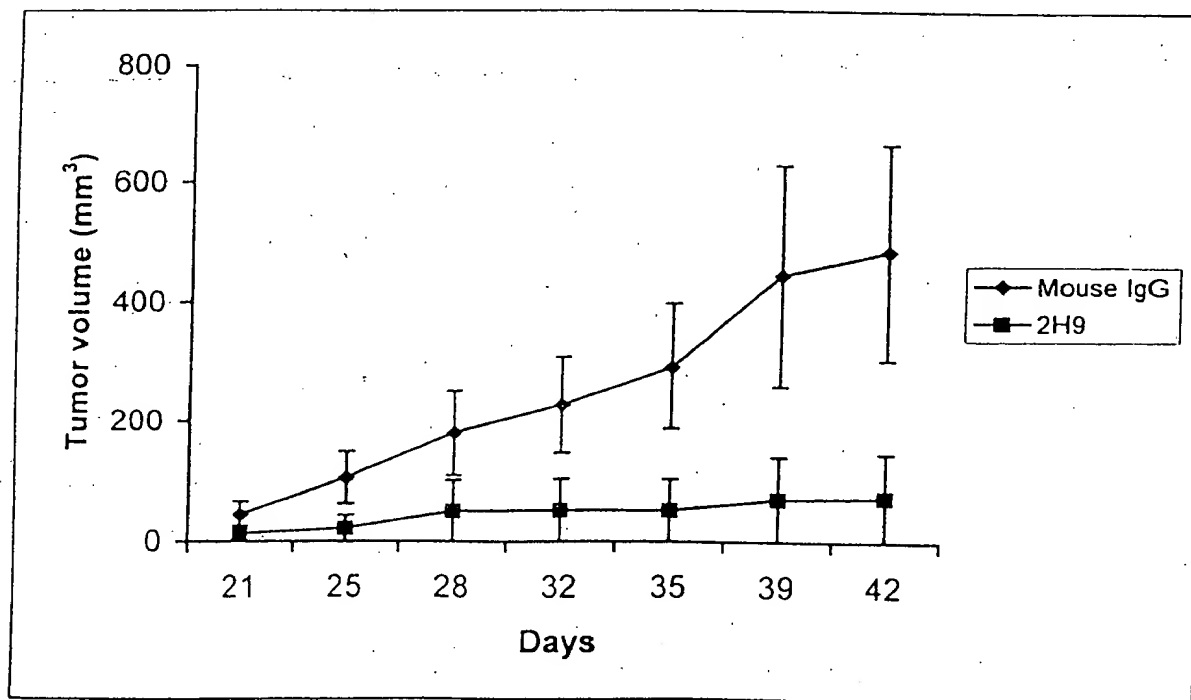
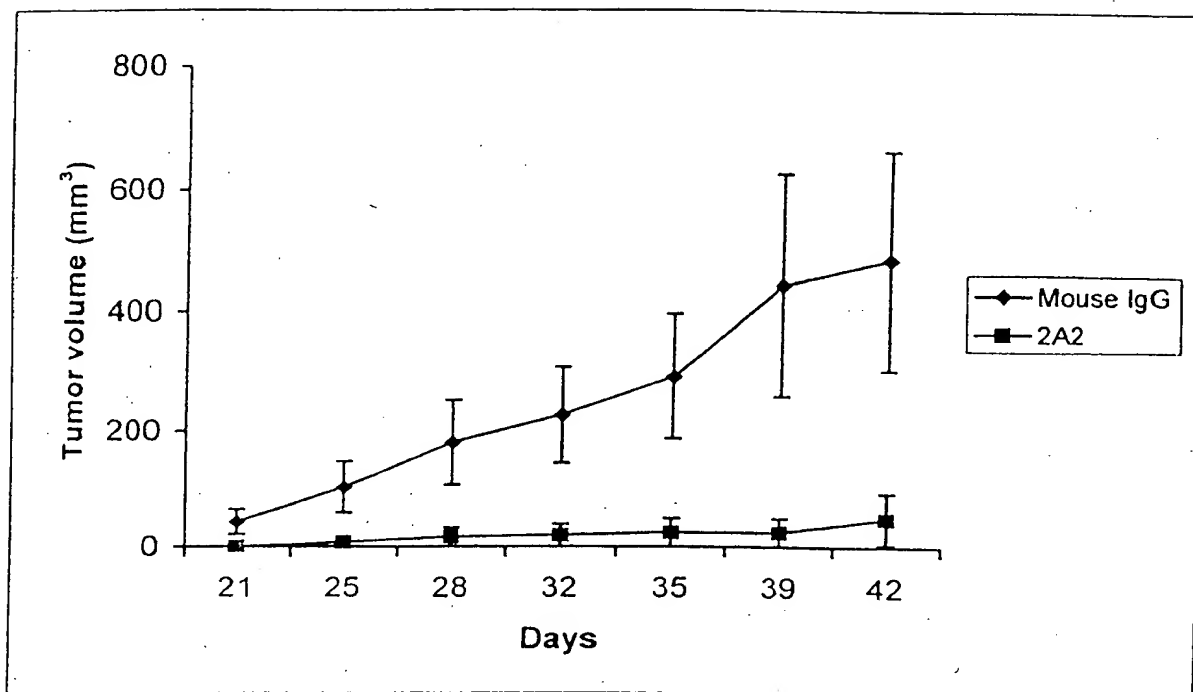


FIG. 56

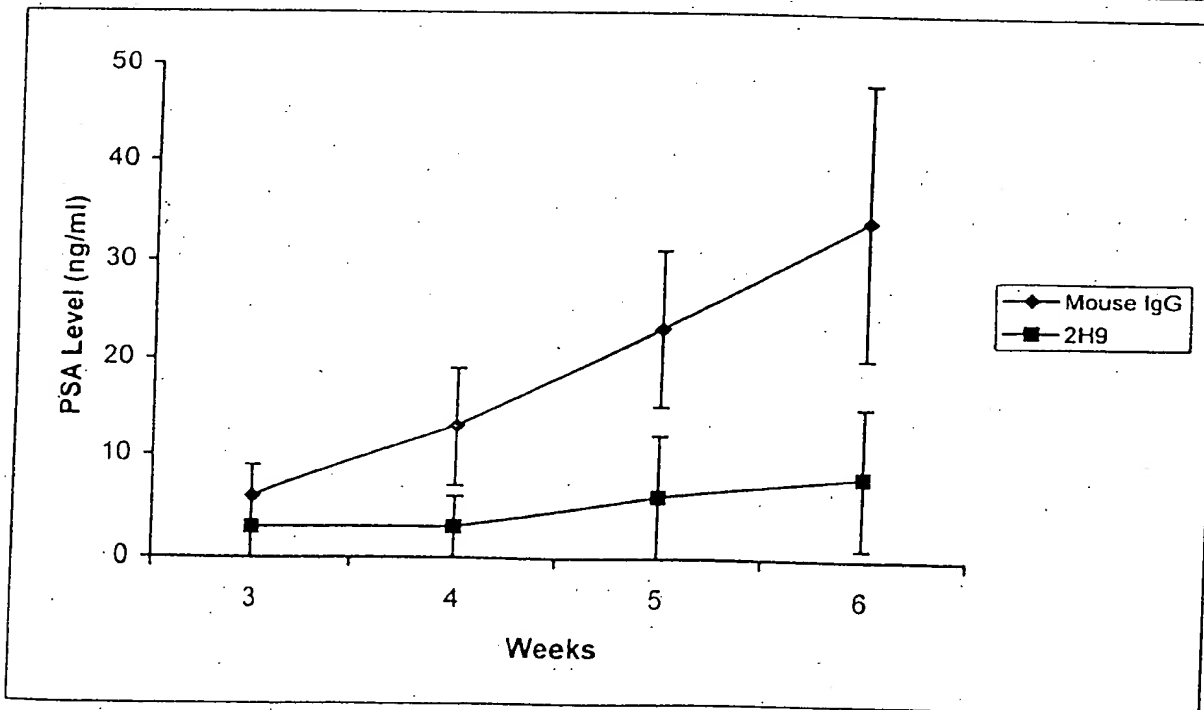
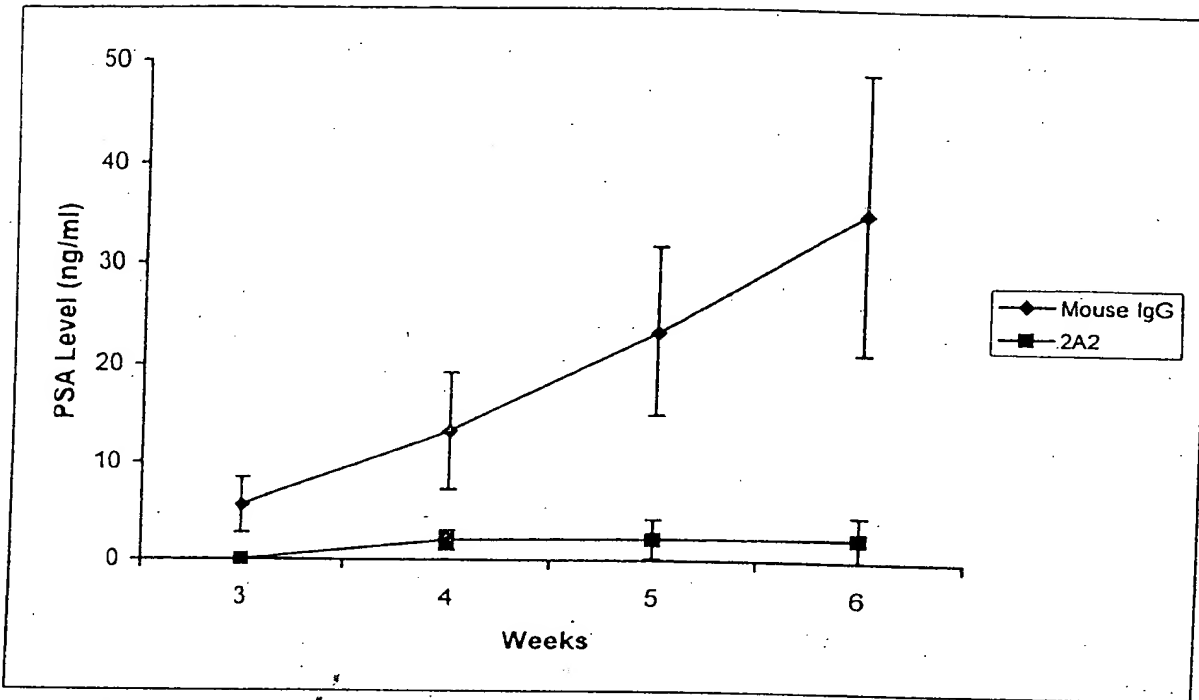


FIG. 57

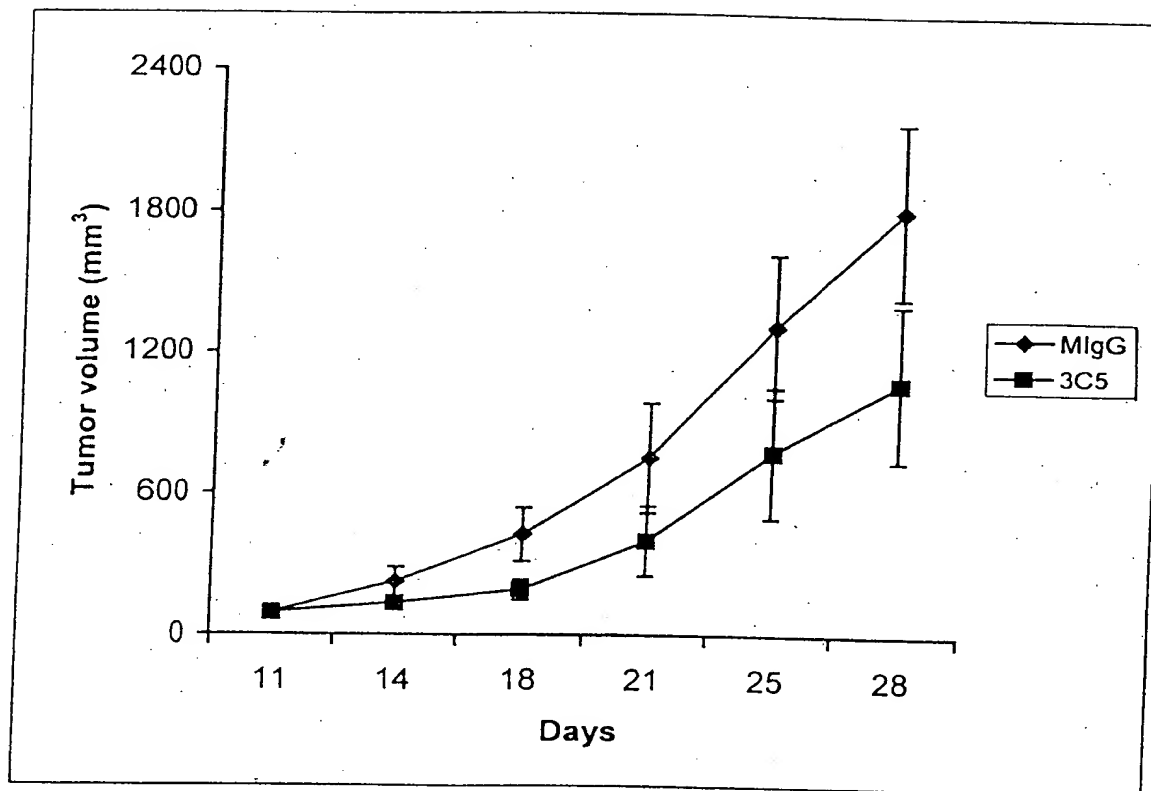


FIG. 58

TGCTTCTTCCTGATGGCAGTGGTTATAGGAGTCAATTACAGAGGTTACAGCTGCAGCAGTCT 60
C F F L M A V V I G V N S E V Q L Q Q S 20

GGGGCAGAACTTGTGAGGTCAGGGGCCCTCAGTCAAGTTGTCTGACAGCTTCTGGCTTC 120
G A E L V R S G A S V K L S C T A S G F 40

CDR1
AACATTAAGACTACTATATACACTGGGTGAATCAGAGGCCCTGACCAGGGCCTGGAGTGG 180
N I K D Y Y I H W V N Q R P D Q G L E W 60

CDR2
ATTGGATGGATTCCTGAGAATGGTGACACTGAATTTGTCCCGAAGTTCAGGGCAAG 240
I G W I D P E N G D T E F V P K F Q G K 80

GCCACTATGACTGCAGACATTTTCTCCAACACAGCCTACCTGCACCTCAGCAGCCTGACA 300
A T M T A D I F S N T A Y L H L S S L T 100

CDR3
TCTGAAGACACTGCCGTCTATTACTGTAAACGGGGGTTTCTGGGGCCAAAGGACTCTG 360
S E D T A V Y Y C K T G G F W G Q G T L 120

GTCACGTCTCTGCAGCCAAACGACACCCCATCTGTCTATCCACTG
V T V S A A K T T P P S V Y P L

FIG. 59

TTGGTAGCAACAGCCCTCAGATGTCCACTCCAGGTCCAACTGCAGCAACCTGGGTCTGAA 60
 L V A T A S D V H S Q V Q L Q Q P G S E 20

CTGGTGAGGCCCTGGAACCTTCAGTGAAGCTGTCTCCTGCAAGGCTTCTGGCTATACATTCTCC 120
 L V R P G T S V K L S C K A S G Y T F S 40
 CDR1

AGCTACTGGATGCACCTGGGTGAAGCAGAGGCCCTGGACAAGGCCTTGAGTGGATTGGAAT 180
S Y W M H W V K Q R P G Q G L E W I G N 60

ATTGACCCCTGGTAGTGGTTAACTAACTACGCTGAGAACCTCAAGACCAAGGCCACACTG 240
I D P G S G Y T N Y A E N L K T K A T L 80
 CDR2

ACTGTAGACACATCCTCCAGCACAGCCCTACATGCAGCTCAGCAGCCTGACATCTGAGGAC 300
 T V D T S S S T A Y M Q L S S L T S E D 100

TCTGCAGTCTATTACTGTACAAGCCGATCTACTATGATTACGACGGGATTGTGCTTACTGG 360
 S A V Y Y C T S R S T M I T T G F A Y W 120
 CDR3

GGCCAAGGGACTCTGGTCACTGTCTCTGCAGCTACAACAACAGCCCCCATCTGTCTATCCA 420
 G Q G T L V T V S A A T T T A P S V Y P 160

CTGGCC
 L A

FIG. 60

AATGACTTCGGGTTGAGCTGGGTTTTTATTATTGTTCTTTTAAAGGGTCCGGAGTGAA 60
N D F G L S W V F I I V L L K G V R S E 20

GTGAGGCTTGAGGAGTCTGGAGGAGGCTGGGTGCAACCTGGAGGATCCATGAAACTCTCC 120
V R L E E S G G G W V Q P G G S M K L S 40

TGTGTAGCCTCTGGATTACTTTCAGTAATTACTGGATGACTTGGGTCCGCCAGTCTCCA 180
C V A S G F T F S N Y W M T W V R Q S P 60
CDR1

GAGAAGGGGCTTGAGTGGGTGCTGAAATTCGATTGAGATCTGAAAATTATGCAACACAT 240
E K G L E W V A E I R L R S E N Y A T H 80
CDR2

TATCGGAGTCTGTGAAGGGAATTACCATCTCAAGAGATGATCCAGAAGTCGTCTC 300
Y A E S V K G K F T I S R D D S R S R L 100

TACCTGCAAAATGAACAACCTTAAGACCTGAAGACAGTGAATTATTACTGTACAGATGGT 360
Y L Q M N N L R P E D S G I Y Y C T D G 120

CTGGGACGACCTAACTGGGGCCAAAGGACTCTGGTCACTGTCTCTGCAGCCAAACGACA 420
L G R P N W G Q G T L V T V S A A K T T 140
CDR3

CCCCCATCTGTCTATCCACTGGCCCCCTTGTA
P P S V Y P L A P C V

FIG. 61

CDR1 Comparisons

1G8	1gG _{1k}	Middle	G	F	N	I	K	D	Y	Y	I	H
2H9	1gG _{1k}	N-Term.	G	F	T	F	S	N	Y	W	M	T
4A10	1gG _{2ak}	N-Term.	G	Y	T	F	S	S	Y	W	M	H

CDR2 Comparisons

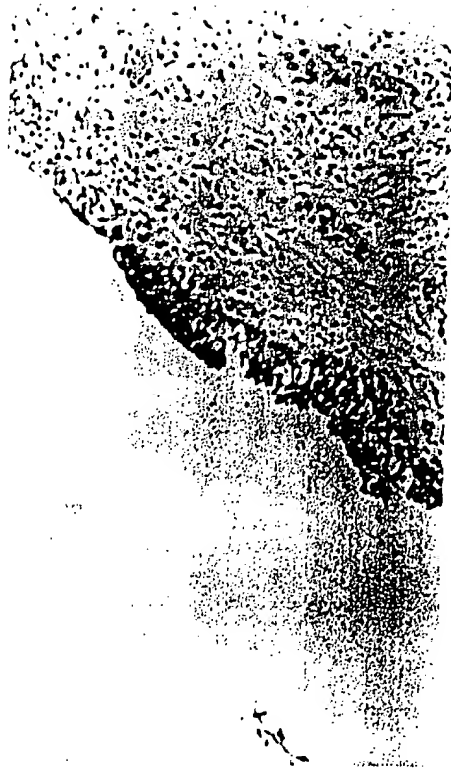
1G8	1gG _{1k}	W	I	D	P	E	N	G	D	T	E	F	V	P	K	F	Q	G		
2H9	1gG _{1k}	E	I	R	L	R	S	E	N	Y	A	T	H	Y	A	E	S	V	K	G
4A10	1gG _{2ak}	N	I	D	P	G	S	G	Y	T	N			Y	A	E	N	L	K	T

CDR3 Comparisons

1G8	1gG _{1k}	G	G	F														
2H9	1gG _{1k}	L	G	R	P	N												
4A10	1gG _{2ak}	R	S	T	M	I	T	T	G	F	A	Y						

FIG. 62

A



B



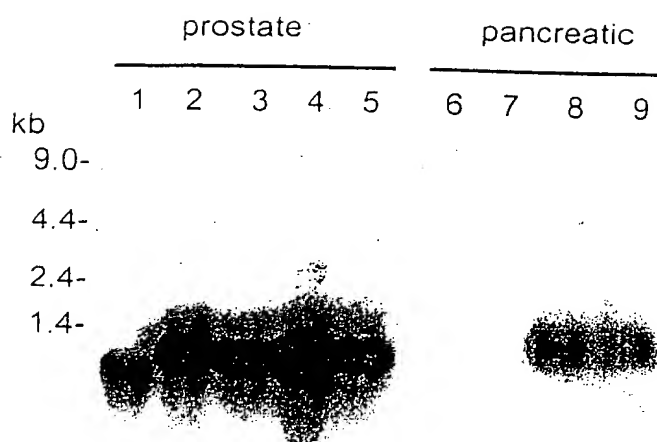
C



D



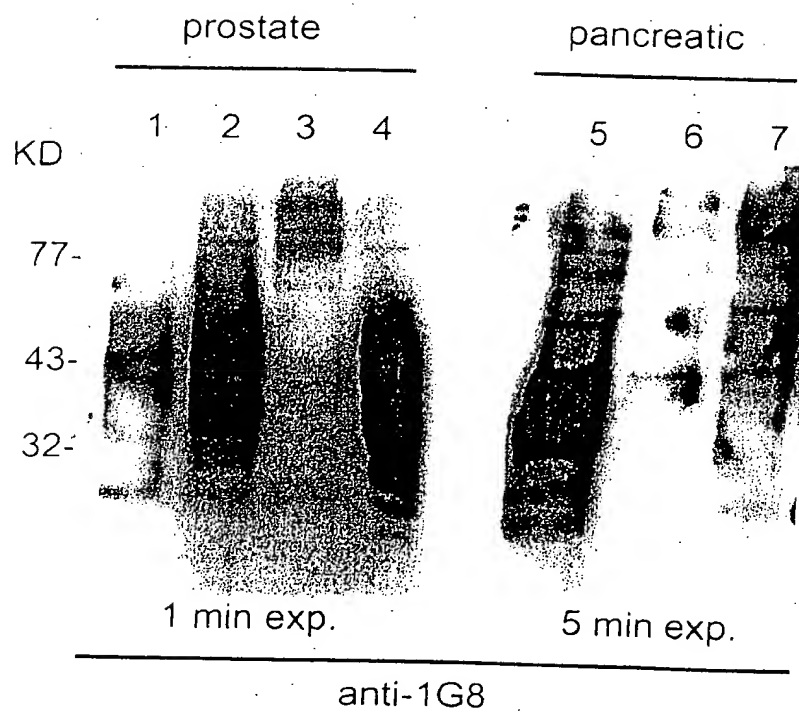
FIG. 63



1. Prostate
2. LAPC-4 AD
3. LAPC-4 AI
4. LAPC-9 AD
5. LAPC-9 AI

6. PANC-1
7. BxPC-3
8. HPAC
9. Capan-1

FIG. 64



1. LAPC-4 AD
2. LAPC-9 AI
3. LNCaP
4. LNCaP-PSCA

5. HPAC
6. Capan-1
7. ASPC-1

FIG. 65

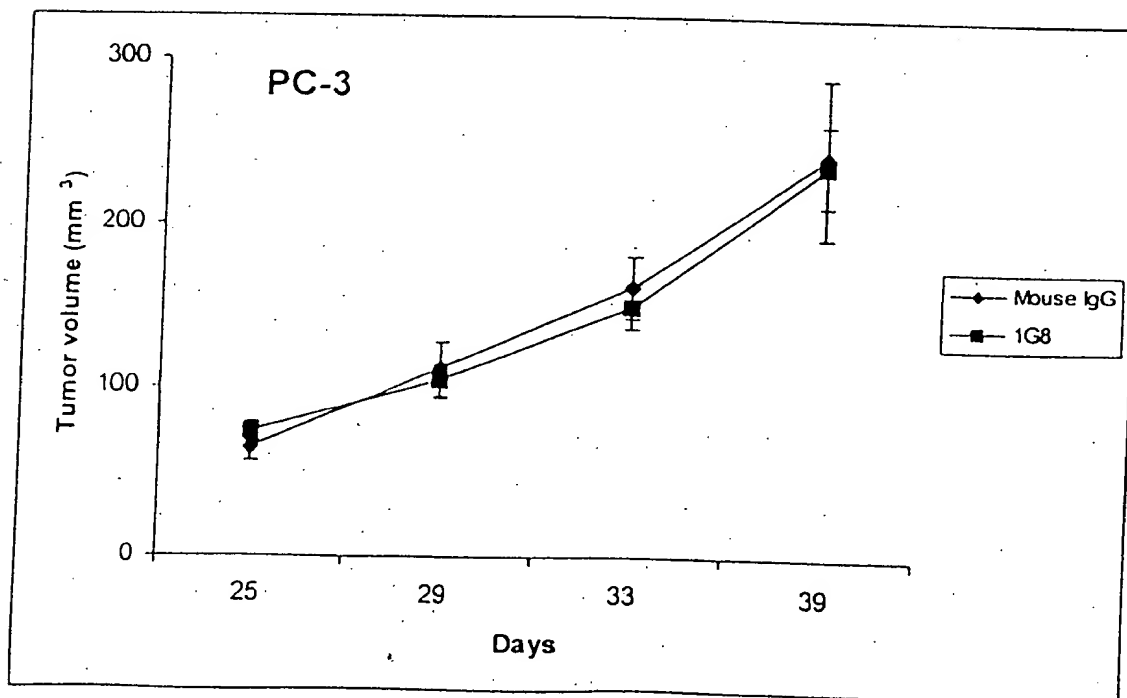
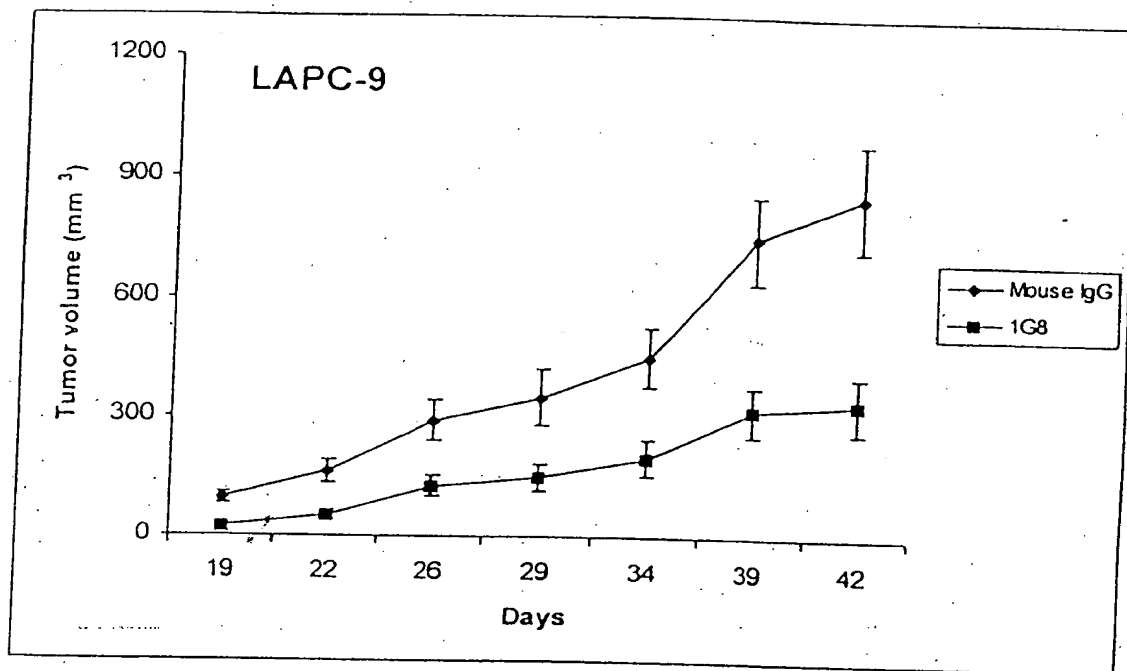
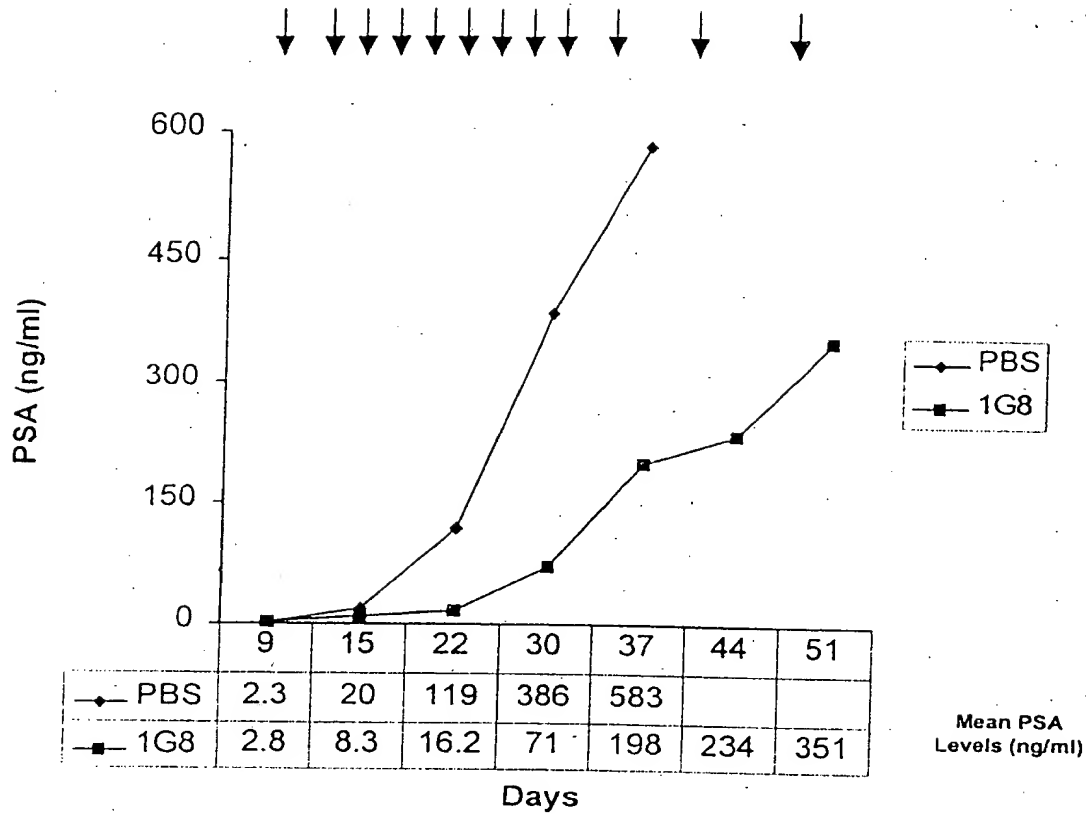


FIG. 66

A)



B)

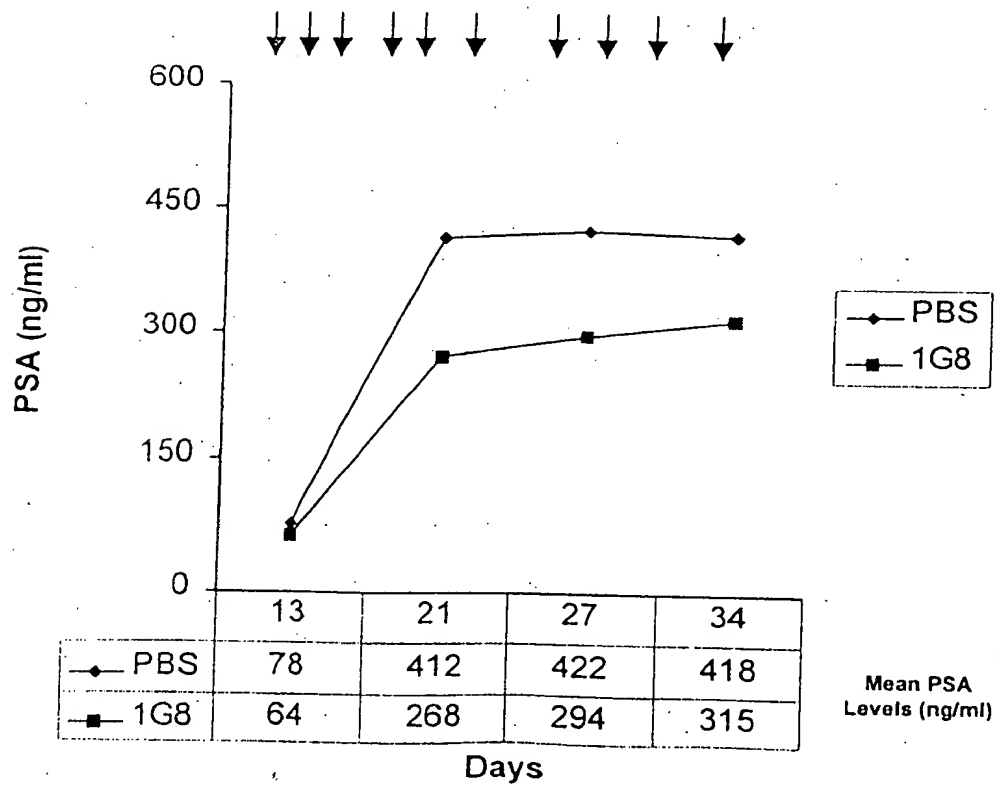
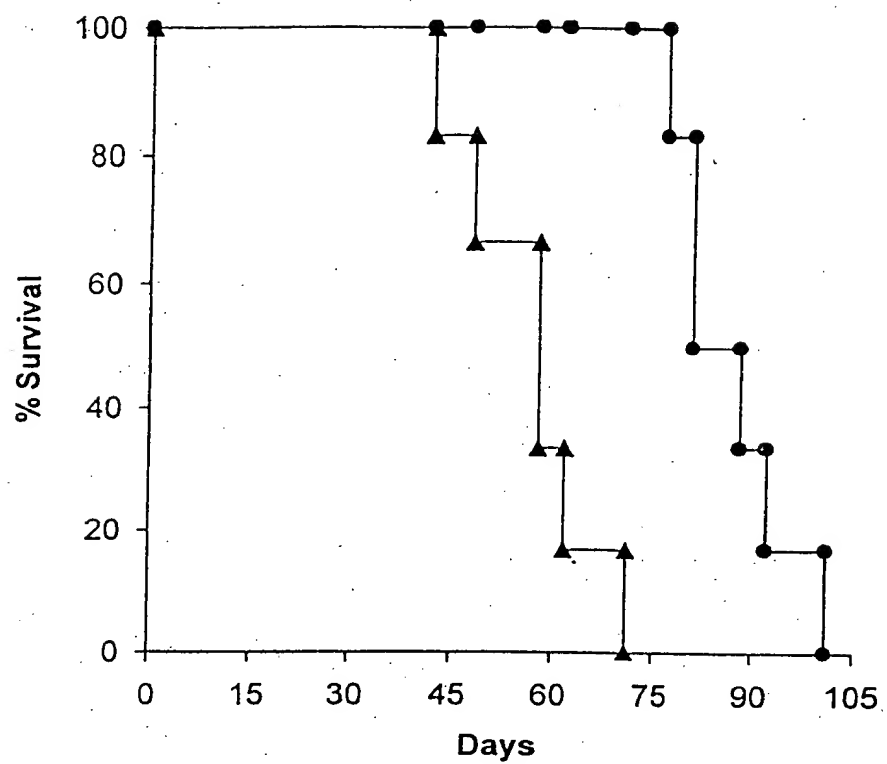


FIG. 67

A)



B)

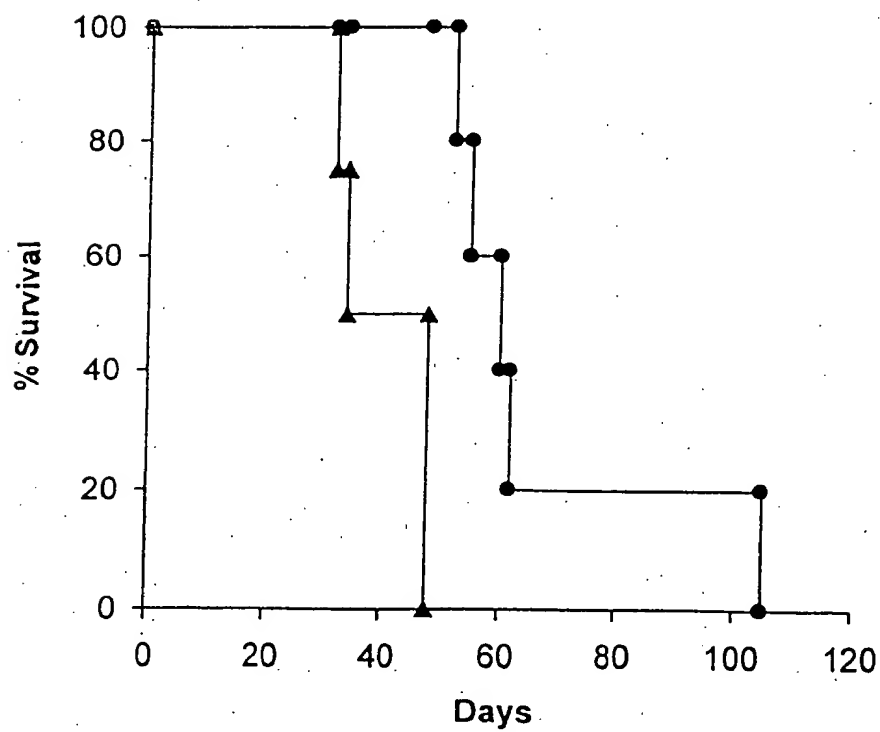
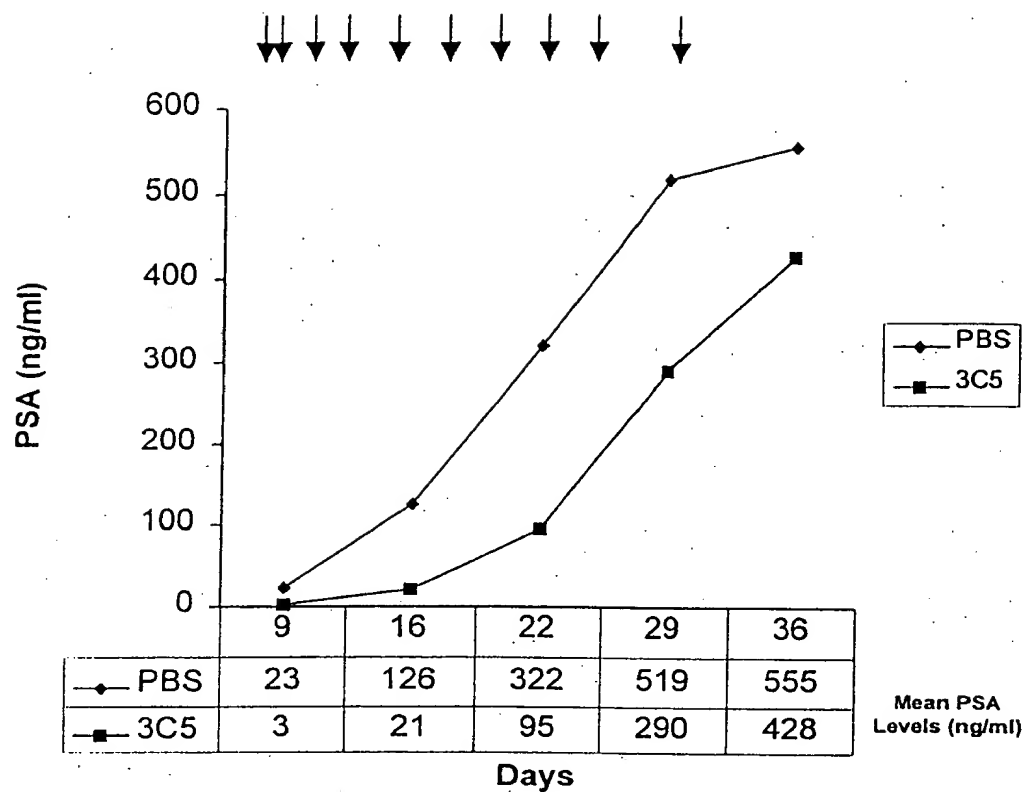


FIG. 68

A)



B)

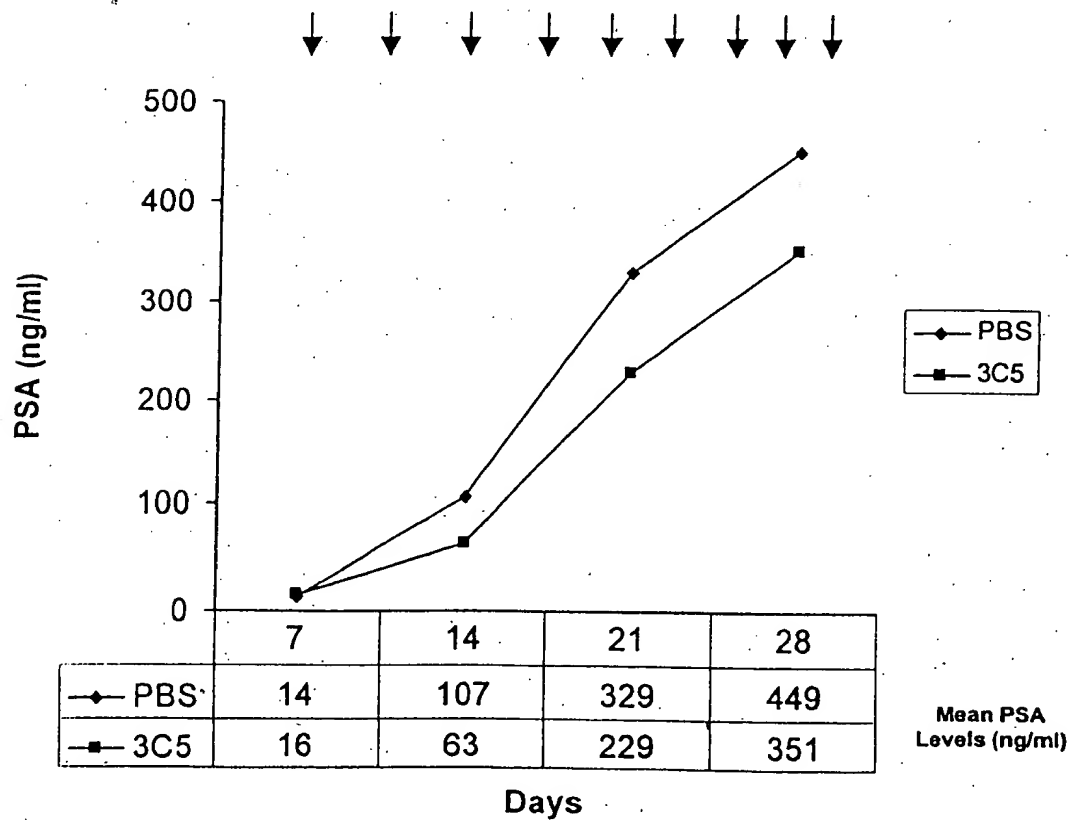
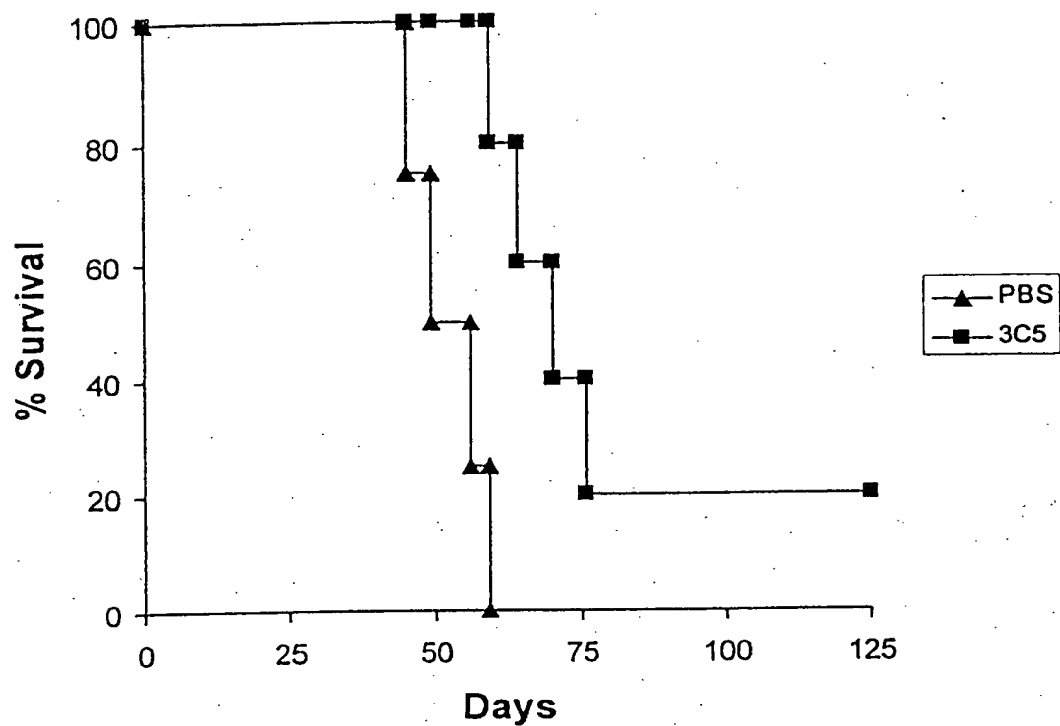
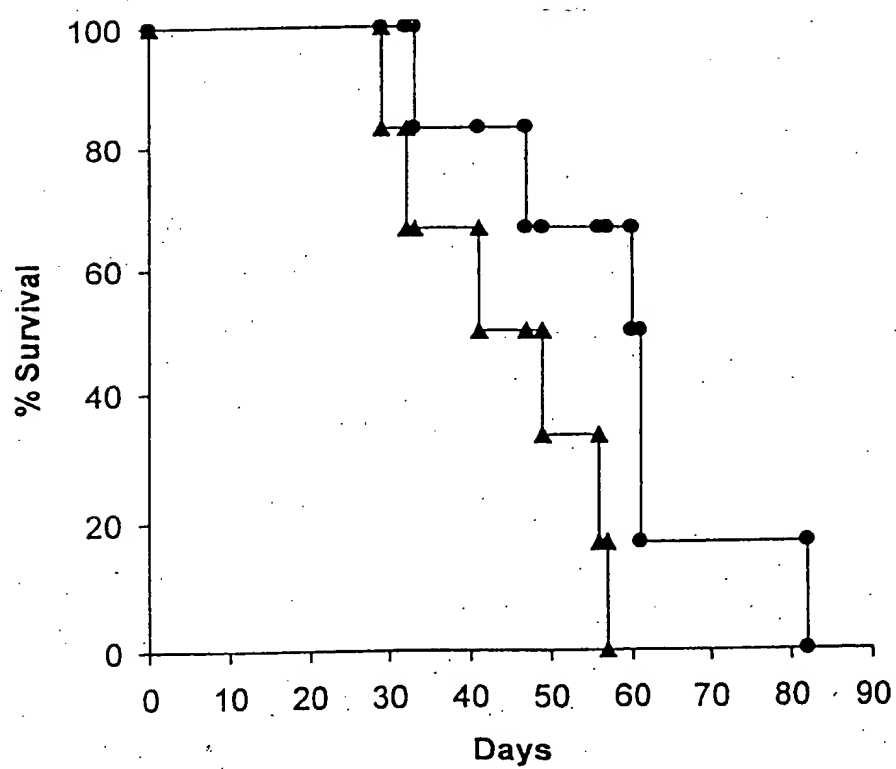


FIG. 69

A)



B)



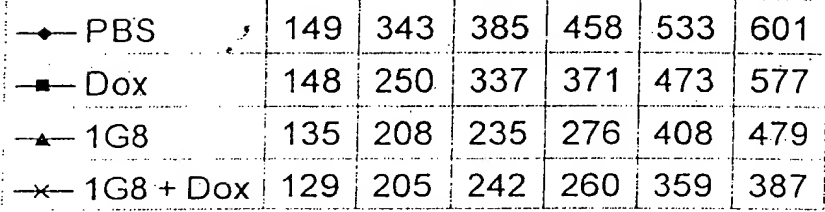
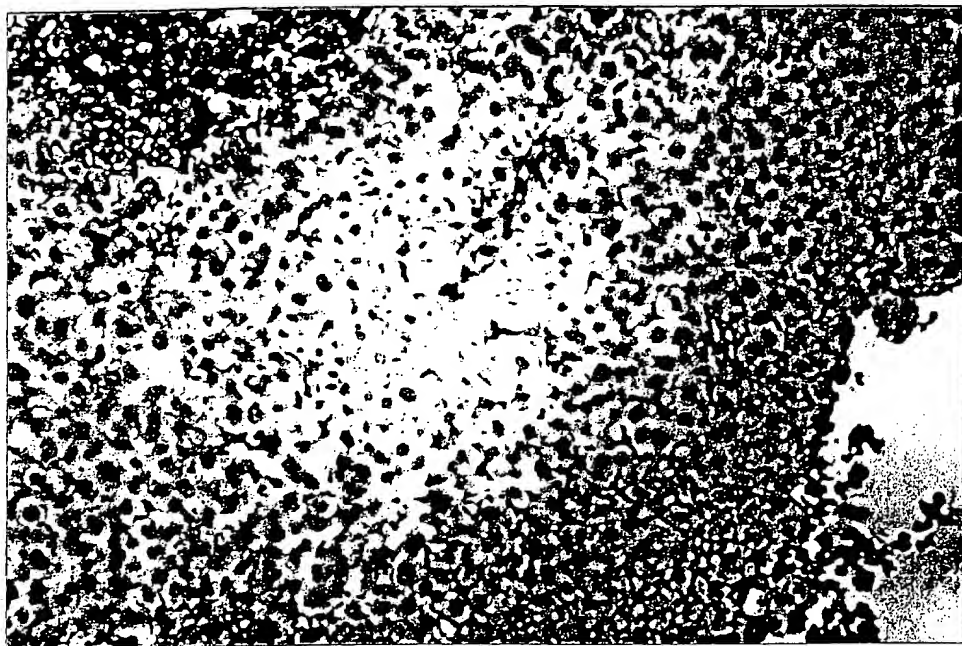


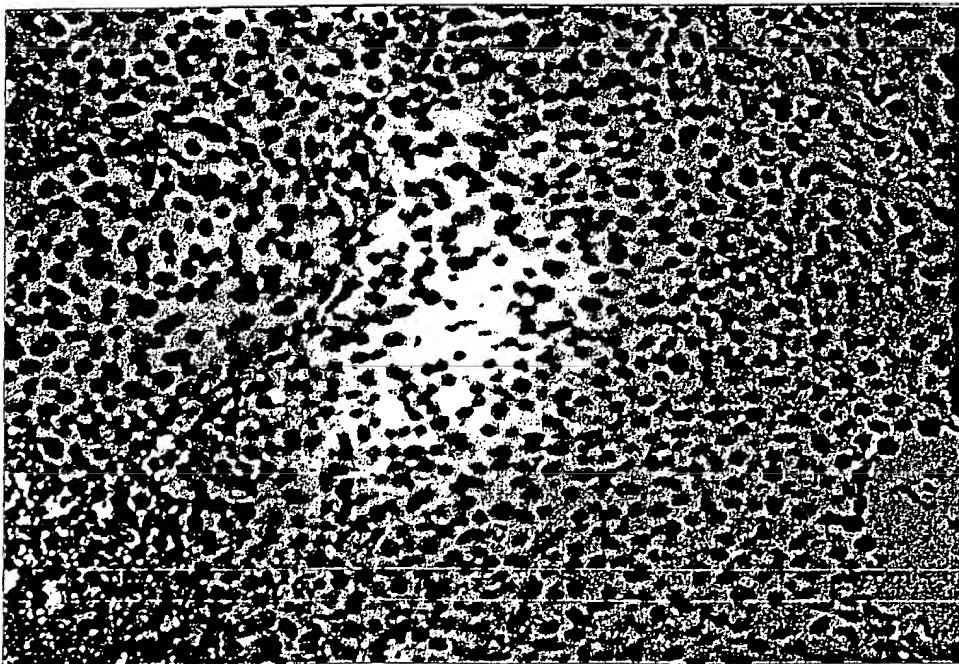
FIG. 71

PSCA 3C5 MAb Localizes within
LAPC9AD Xenograft Tissue

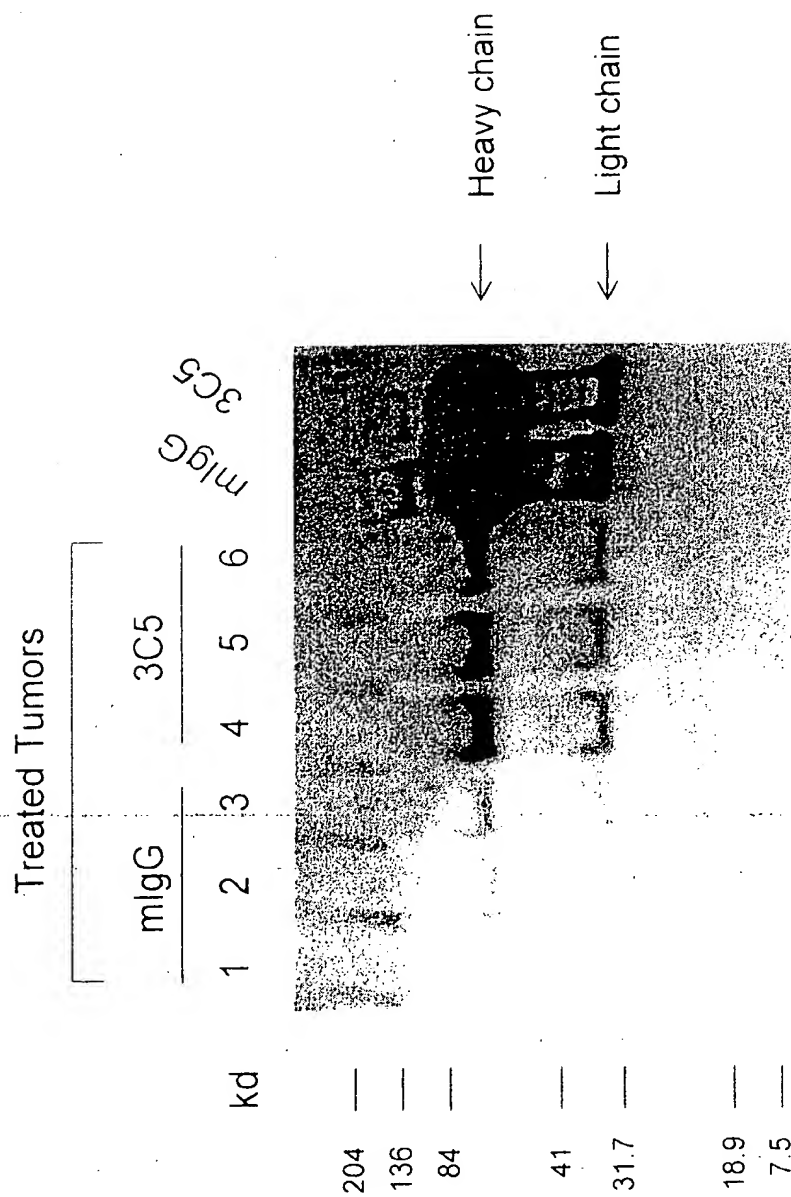
3C5 Treated



mlgG Treated



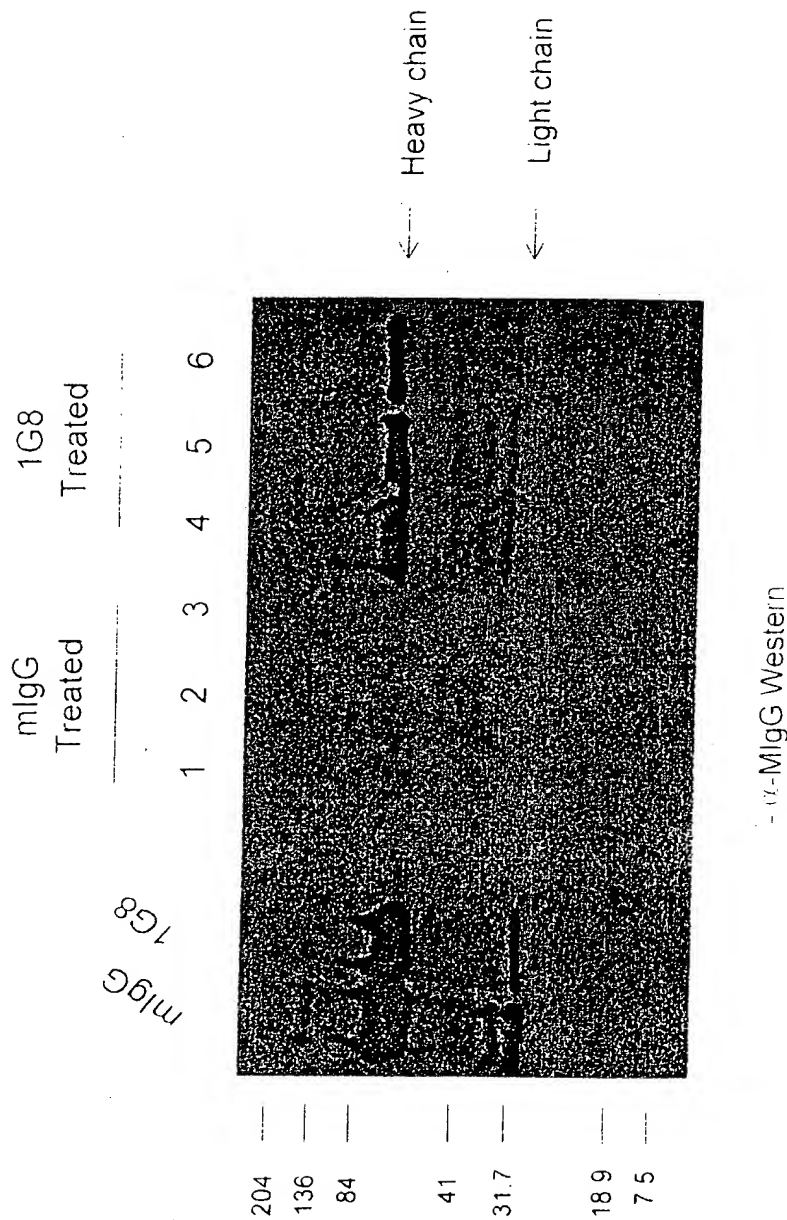
3C5 Anti-PSCA MAb is Localized to Established LAPC-9 Tumors



Western blot developed with α -mlgG/k

FIG. 72

SPECIFIC TARGETING OF THE 1G8 ANTI-PSCA MAb TO ESTABLISHED LAPC-9 TUMORS



Method: Mice bearing established LAPC-9 tumors (>100 mm³) were injected with either mIgG or the anti-PSCA MAb 1G8. Tumors were harvested a week later and made into protein lysates for Western analysis

FIG. 73